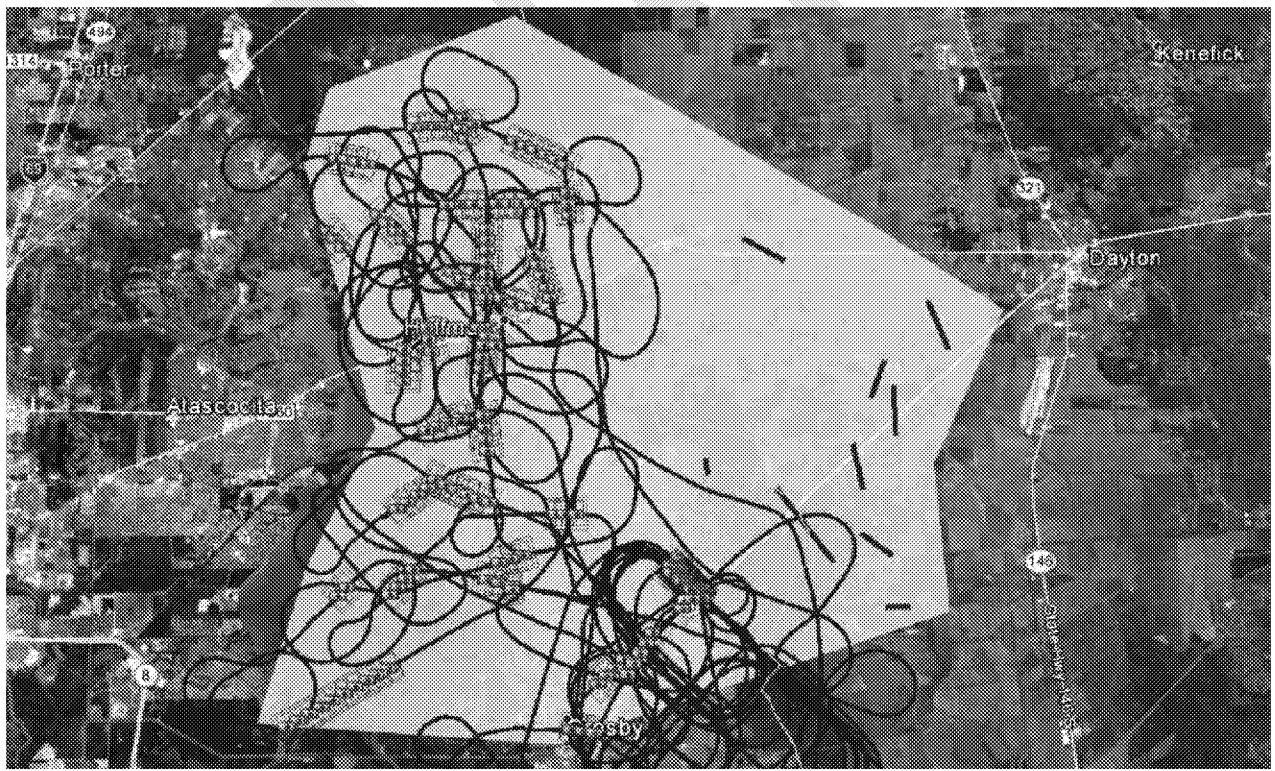


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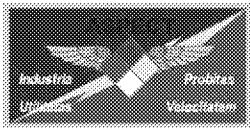


2017 ASPECT Report

Hurricane Harvey



Pre-decisional Do Not Cite or Quote



1 Background

On 30 August 2017 at 0445 hrs the US EPA Region 6 On-Scene Coordinator Bryant Smalley contacted ASPECT Program Manager, Dr. Mark Thomas, to activate the ASPECT aircraft and respond to support Region 6 in their response to the impacts of Hurricane Harvey.

The core of the rapid needs assessment (RNA) mission consisted of the collection of both high resolution photography and remote chemical sensing over target sites provided by the Region. These sites corresponded to water treatment, wastewater treatment and Risk Management Plans (RMP) sites within the Texas counties impacted by the storm, including the Arkema Facility. A figure showing the extent of these sites is given in Figure 1.

Overall priority for addressing the locations was provided by the Operations Chief, OSC Brescia; the initial focus was to survey locations most likely impacted by the storm/floating which included those sites nearest to the Gulf. Management of the sites and specific mission targeting was accomplished by creating a set of geographical zones internally by the ASPECT reach back team. The general design was based on proximity to the aircraft base of operation, duration of flight, flight restrictions (if any), and number of sites and is given in Figure 2.

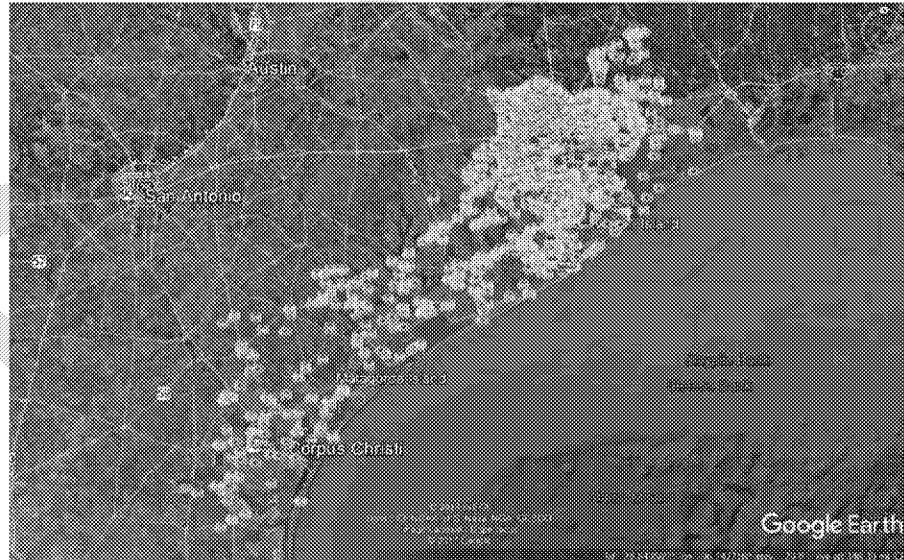


Figure 1. Target Locations for ASPECT

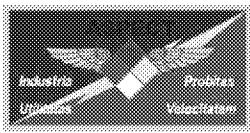


Figure 2. RNAZone Map

2 ASPECT Description

The U.S. EPA ASPECT Program is the nation's only 24/7/365 emergency response airborne platform equipped with special chemical, radiological, and situational awareness instruments. ASPECT stands for Airborne Spectral Photometric Environment Collection Technology. It detects chemicals and radiation while collecting aerial photos and videos for situational awareness during an emergency (night or day). Critical information is automatically processed in the aircraft and transmitted via satellite to a team of highly skilled scientists who quickly review it before sending the results to decision makers on the ground. This can be done within 5 minutes. Because of its ability to quickly arrive onsite and turn data, ASPECT serves as an initial screening tool to help the field responders make more informed decisions based on actual measurements. ASPECT does not fly through the hazard or take air samples. All the information is collected from a safe distance using remote sensing technologies. It usually flies at about 3,000 ft above the ground but can fly much lower (or higher) if needed. A crew of four flies and operates the aircraft. The size of the reach back team varies depending on the type, size and scale of an emergency, and can provide support at the command post or from anywhere in the world via satellite communications and secure internet coordination.

3 Mission Status

Detailed summaries of ASPECT operations from 30 August 2017 through 11 September 2017 are given in Tables 1 and 2. Table 1 provides a summary of flight statistics based on flight number and date. Table 2 provides a target break down based on Zones flown.



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TABLE 1: Flight Statistics

Flight #	Date	Photographs		FTIR*	Videos		Comments
		Aerial	Oblique		IR	Vis	
1	8/29/17						System Test
2	8/30/17	39	52	21,000	0	8	Arkema
3	8/31/17	38	96	24,000	0	12	Arkema
4	8/31/17	97	107	63,000	1	13	Arkema
5	8/31/17	38	18	30,000	5	5	Arkema
6	9/01/17	35	0	30,000	5	3	Arkema
7	9/01/17	162	19	75,000	8	18	Arkema & Zone 5 RNA
8	9/01/17	60	69	66,000	8	11	Fire ER
9	9/02/17	222	5	108,000	3	22	Arkema & Zones 5 & 6 RNA
10	9/02/17	88	26	45,000	5	10	Arkema & Zone 6
11	9/03/17	0	0	24,000	11	0	Arkema Aborted Controlled Burn
12	9/03/17	263	5	156,000	1	44	Zone 6 & 7 RNA
13	9/03/17	67	376	54,000	3	14	Arkema Trailer Burn
14	9/04/17	43	13	42,000	0	6	Zone 7 RNA
15	9/04/17	152	0	156,000	0	50	Zone 4 RNA; Clouds delayed flight
16	9/05/17	0	0	0	0	0	Weather delay
17	9/05/17	162	0	171,000	0	57	Zones 4 & 8 RNA
18	9/06/17	214	0	159,000	0	50	Zone 10 RNA
19	9/06/17	81	0	102,000	0	35	Zone 8 RNA
20	9/07/17	29	0	18,000	0	0	Valero Site
21	9/07/17	120	0	147,000	0	60	Zone 8 RNA
22	9/08/17	320	0	189,000	0	28	Beaumont Special
23	9/08/17	71	0	48,000	0	19	State Special
24	9/09/17	170	0	141,000	0	6	Zone 9 RNA
25	9/09/17	195	0	171,000	0	97	Zone 9 RNA
26	9/10/17	187	0	201,000	0	62	Zone 11 RNA
27	9/11/17	114	0	108,000	0	41	Zone 14 RMP RNA
28	9/11/17	97	0	96,000	0	33	Zone 14 RMP RNA
TOTALS		3,064#	786	2,445,000	50	704	

* FTIR estimates were based on an average of 3,000 spectra per pass at a rate of 70 spectra per second.



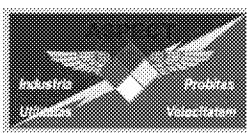
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Some photos may not be viewable/usable due to poor lighting or weather conditions at the time they were taken.

TABLE 2: RNA Zones and Special Requests

Zone*	Target Type@	Target #s	Targets Surveyed	Comments
4	RMP	16	16	Matagorda & Wharton Counties
	DW	87	87	85 flight lines
	WW	17	17	Flight #s: 15, 17
5	RMP	1	1	E Harris and SW Liberty Counties & Arkema Site; 36 flight lines
	DW	45	45	Flight #s: 7, 9
	WW	4	4	
6	RMP	11	11	E Harris County & South of Arkema Site
	DW	50	50	49 flight lines
	WW	10	10	Flight #s: 9, 10, 12
7	RMP	3	3	Chambers County
	DW	42	42	46 flight lines
	WW	15	15	Flight #s: 12, 14
8	RMP	10	10	SW Brazoria County
	DW	95	95	104 flight lines
	WW	9	9	Flight #s: 17, 19, 21
9	RMP	21	21	E Brazoria & most of Galveston County
	DW	79	79	89 flight lines
	WW	29	29	Flight #s: 24, 25
10	RMP	1	1	W Harris County
	DW	58	58	49 flight lines complete
	WW	21	21	Flight #: 18
Valero		1	1	Valero Refinery; Flight #20.
Beaumont Special		6	6	Beaumont, Port Arthur, and Orange Refineries 26 flight lines Flight #: 22
State Special		27	27	Several industrials sites north of Pasadena & south of Cloverleaf. Two sites near Texas City and Freeport. 12 flight lines Flight #: 23



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Zone*	Target Type@	Target #s	Targets Surveyed	Comments
RMP RNA	71	71	65 Flight lines Flight #s: 27, 28	
TOTALS	RMP	134	Risk Management Sites	
	DW	456	Drinking Water Sites	
	WW	105	Wastewater Sites	
	Other	34	Industrial sites requested by the State	

@ RMP: Risk Management Plan; DW: Drinking Water; WW: Wastewater

* Zones 1 - 3 were cancelled on 3 September 2017.

4 Flight and Airspace Coordination

The ASPECT team and flight crew coordinated with a number of agencies as related to air space authorization and flight safety. Throughout the deployment the ASPECT crew flew under a Federal Aviation Administration (FAA) squawk code mandated due to several Temporary Flight Restrictions (TFR) active on various missions. In addition, the team coordinated with the U.S. Coast Guard and the Texas National Guard each day in an effort to reduce duplication of effort. Finally, the primary base of operation was Hobby Field with Addison municipal serving as the backup and maintenance base.

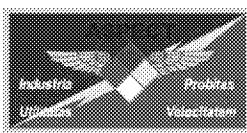
5 Aircraft Capabilities used on this survey

Chemical Detection:

The ASPECT system collects airborne infrared (IR) images and chemical screening data from a safe distance over the site (about 3,000 ft AGL). The system consists of an airborne high speed Fourier transform infrared spectrometer (FTIR) coupled with a wide-area infrared line scanner (IRLS). The ASPECT infrared (IR) systems have the ability to detect compounds in both the 8 to 12 micron (800 to 1200 cm⁻¹) and 3 to 5 micron (2000 to 3200 cm⁻¹) regions. The 8 to 12 micron region is typically known as the atmospheric window region since the band is reasonably void of water and carbon dioxide influence. Spectrally, this region is used to detect carbon - non-carbon bonded compounds. The 3 to 5 micron region is also free of water and carbon dioxide but typically does not have sufficient energy for use. This band does show use in high-energy environments such as fires. The carbon - hydrogen stretch is very common in this region.

Photographic Capabilities:

A digital Nikon DX2 camera (12.4 mega pixel CMOS 3:5 aspect ratio, 28 mm wide-angle lens) collects visible aerial imagery as part of the core data product package. The camera timing system is connected to the primary IR sensors and provides concurrent image collection when other sensors are triggered. All imagery is geo-rectified using both aircraft attitude correction (pitch, yaw, and roll) and GPS positional information. Imagery can be



processed while in flight or approximately 600 frames per hour can be processed once the data are downloaded from the aircraft.

An Imperx mapping camera (29 mega pixels; mapping focal plane array) provides a similar aspect ratio and aerial coverage. Like the Nikon DX2, it is connected to the primary IR sensors and provides concurrent image collection when other sensors are triggered. These images are often digitally processed in lower resolution so they can be transmitted via satellite communication. The high resolution images (>20 MB each) are pulled from the ASPECT after the sortie and are available at a later time.

All aerial photographic images collected by the ASPECT system are ortho-rectified and geospatially validated by the reach back team. In general, this consists of conducting geo-registration using a digital elevation model (DEM) which promotes superior pixel computation and lessens topographic distortion. The image is then checked by a team member (using a Google Earth base map) for proper location and rotation.

Automated Processing

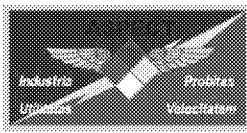
Data was processed using automated algorithms onboard the aircraft with preliminary results being sent using a satellite system to the ASPECT reach back team for QA/QC analysis. Upon landing and full data transmission, preliminary data results were examined and validated by the reach back team.

6 ASPECT chemical detection

Methodology

Chemical detection with the ASPECT system is accomplished using an open-path passive infrared spectrometer. Fundamentally, most organic compounds and some inorganic compounds have a unique IR signature (e.g., finger print). Specifically, ASPECT uses two “bands” of IR consisting of the 3 to 5 micron and the 8 to 12 micron atmospheric windows for chemical detection. The system uses the natural IR background of the ground surface as a reference and extracts the IR signature of vapors between the aircraft and the ground. In essence, the sensor counts the number of gas molecules of the target gas between the aircraft and the ground. Detection is then automatically accomplished using a software algorithm known as background suppressed pattern recognition. This algorithm has been programmed to automatically detect, identify, and estimate concentrations for up to 72 chemical compounds. An additional 500+ chemical compounds listed in several infrared spectrometry libraries (e.g., <https://secure2.pnl.gov/nsd/nsd.nsf>Welcome>) can be manually assessed.

Detection limits and concentrations are derived from the sensor detection metric of “parts per million - meter (ppm-m).” This value relates a given concentration to an atmosphere that is one meter thick (e.g., assumes all the gas molecules are confined within one meter even though the aircraft has measured about 900 meters of atmosphere.) Therefore, a plume thickness has to be assumed to convert (ppm-m) to concentration (ppm). In the case of ASPECT, a 10 meter plume thickness is typically assumed which is consistent with an average plume size. The “ppm-m” number is then divided by the thickness resulting in ppm.



ASPECT Data Quality Objectives

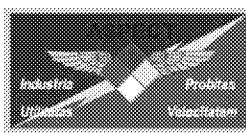
From an operational perspective, ASPECT is a screening tool. It provides information that a chemical compound (in vapor phase) has been detected with an approximate location and its estimated concentration. It does not provide the altitude of where the gas was detected. For emergency response purposes, the most conservative assumption is to assume all the gas is in the breathing zone. Accordingly, ASPECT is one component and does not replace ground-based monitoring, where more sensitive instruments can be deployed to assess ground-based air concentrations. Furthermore, unless the release is constant with consistent weather conditions, it is highly likely the ground-based chemical concentration(s) will differ when ground-based assets arrive due to natural attenuation via dispersion and other weather conditions (i.e., stability class, rain, wind direction, etc.).

For Hurricane Harvey, the Incident Command (IC) prioritized all targets for subsequent collection. In addition to chemical data, aerial images (both visible and IR) were collected and provided to the Regional Emergency Operations Center (REOC) for situational awareness and dissemination. The Texas Commission on Environmental Quality (TCEQ) Toxicology Division (TD) through the Environmental Unit established a short-term health-based air monitoring comparison values (AMCV) for evaluating air monitoring data. It may not be appropriate to compare ASPECT results or other air sampling results (e.g., 24-hour canister sample) to the short-term AMVC since the short-term AMVC is based on a one-hour exposure scenario. However, a comparison can be made to help decide where to deploy limited ground-based resources to assess potential chemical exposures in the area. Hurricane Harvey adversely impacted more than 5,000 square miles and the ASPECT quick chemical monitoring/screening capabilities can be used to help decision makers make more efficient use of ground-based assets to ensure human health and the environment are protected.

Table 3 lists the chemical compounds that are included in the TCEQ short-term AMCV spreadsheet (N=149) and in the ASPECT automated detection library (N=78).

Table 3: TCEQ short-term AMCV

Chemical Compounds	Short-term AMCV (ppm)	ASPECT Detection Limit (ppm)*
1,1,1-trichloroethane	1.7	1.9
1,1-dichloroethane	1.0	0.8
1,1-dichloroethylene	0.18	3.7
1,3-butadiene	1.7	5
1-butene	27	12
Acetone	11	5.6
Acrolein	0.0048	8.8



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Chemical Compounds	Short-term AMCV (ppm)	ASPECT Detection Limit (ppm)*
carbon tetrachloride	0.02	0.2
chloroform	0.02	0.7
chloromethane	0.5	1.1
Cumene	0.51	23.1
dichlorodifluoromethane	10	0.7
ethyl acetate	4	0.8
ethylene	500	5
isobutene	33	15
isoprene	0.02	6.5
methyl ethyl ketone	20	7.5
methyl tart-butyl ether	0.5	3.8
methylene chloride	3.4	1.1
n-butyl acetate	7.4	3.8
n-propyl acetate	2	0.7
naphthalene	0.095	3.8
propylene	Simple Asphyxiate	3.7
tetrachloroethylene	1	10
trichloroethylene	0.1	2.7
vinyl chloride	27	0.6

* Yellow cells indicates where ASPECT detection limit are above the short-term AMCV. Green indicates where ASPECT detection limits are below the short-term AMCV.

7 Data Results

ASPECT Data Structure

Several types of ASPECT data and/or products were generated as a result of the Harvey deployment including: (1) visible ortho-rectified aerial photographic images; (2) visible oblique geo-located photographic images; (3) wide-area high spatial resolution infrared GIS maps; (4) processed infrared spectra showing vapor species identified; (5) maps showing the location of flight paths and; (6) processed chemical data.

ASPECT used onboard data processing to accelerate the delivery of data. Both photographic and chemical were processed while in flight status and a data package was extracted from the aircraft using the satellite data system to provide timely situation updates concerning the overall flight mission. All data was reviewed by the ASPECT reach back team upon full transmission of the data set and once this process was completed, the data was transferred to the Region for use. Typically, data collected on a given day was available for use by the Region on the following day. The raw and processed data collected as part of the deployment was stored on secure File Transfer Protocol (FTP) sites which was also used by the Region and other authorized users for overall data management. Final data products provided to the Region include both Google Earth and ESRI types. A summary of the data structure and types is given in Table 4.

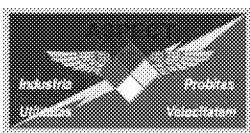


Table 4: Data File Structure

Main subdirectory labeled with Date and Flight number	
File	Contents
DIGITALS Photography	Raw NADAR aerial digital photography data and event (shutter) times.
FTIR	Raw FTIR spectral data
GPS	Raw GPS positional data and inertial navigation data
IRLS	Raw line scanner data
OBLIQUES	Raw oblique aerial digital photography data
Video	AVI based visible and/IR video depending on time of day or application.
PROCESSED DATA	Processed data consisting of:
	Processed Digitals Ortho-rectified NADAR color photography JPG, KML, and JPG2000 formats
	Processed FTIR Georectified chemical detections Text data package
	Processed IRLS Georectified 3-band IR imagery JPG, KML, and JPG2000 formats
	Processed Obliques Georeferenced color oblique photography
Reports	Completed mission reports and mission updates

Access to ASPECT Data

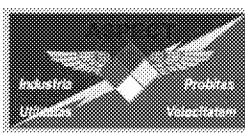
All ASPECT data was provided in both a Google Earth and ESRI format. The following section provides a set of instructions on how to access and use the ASPECT data using the Google Earth n-link. Instructions on using the ESRI ArcData GIS should be directed to the Region 6 GIS Section.

Instructions for Using the ASPECT Google Earth n-link

The KML n-link file is a collection of Google Earth KML scripts that permits full viewing and download of data associated with a given deployment or project. Once the n-link has been loaded on your computer, subsequent installs of the link are unnecessary for the duration of the project or deployment; as new data is added to the project, the n-link, when opened will show the new data in chronological order. Two software packages are necessary to run the n-link. You will need an installed copy of Google Earth and a current copy of your favorite internet browser (Internet Explorer, Chrome, or Firefox) your internet browser.

How to use the attached KML file:

1. Save the KML file to your desktop.



2. To open it, double click the n-link icon and it will bring up your Google Earth Program. As the program starts, Google Earth will move to the general area of interest associated with the project and display an EPA ASPECT aircraft ICON. The ASPECT icon acts as a product menu allowing access to a data associated with the project. Clicking the airplane icon will open up a balloon showing the relevant products that are available for this particular ASPECT project.
3. The ASPECT aircraft icon and all other data products are associated with data layers that will show up on the left side of the image. When the n-link is first started the Aircraft Icon will show up as the first layer under the "Temporary Places" pane. As additional products are opened, they will in turn be listed under the Temporary Places pan in the order that they were opened.

Structure of the Aircraft Icon:

Data products that are currently available for viewing and/or download will be displayed under the Aircraft icon balloon. The following are examples of typical data and products that are accessible by the Aircraft icon:

A brief mission description

Sensor suite capabilities

Chemical data products

Color aerial photography

Mosaic Aerial Photography (Optional)

Oblique Photography

Aircraft Video

False color aerial infrared imagery

Gamma Ray Information

Aircraft F10 flight tracks and data

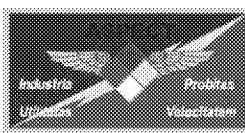
Weather station data (used for chemical plume modeling)

All of the products shown above in blue represent mission specific data links that can be accessed using the Aircraft icon. Simply clicking on any of the blue sections (within the Aircraft Icon) will activate that information link. What happens next depends on what link you have activated.

The following are brief descriptions of how to use each link: (Note: Be patient. How fast things occur depends on the network (internet) speeds. Higher resolution image products may take several minutes to load).

Sensor suite capabilities – Clicking on the Sensor suite capabilities will open a brief technical description of what sensors are located on the ASPECT system and the products that these sensors generate. To close the description window, click the button located in the top left of the description window titled “<< Back to Google Earth”.

Chemical data products – Clicking the Chemical data products will open a set of chronological data layers that will be displayed under the Temporary Places directory. The



most recent set of data will be active with the older data sets closed. To open the older data sets, click on the box next to the flight number (Flight number and data) and the data will be opened. Locations in which chemicals were detected will show up as bulls eye data points in the Google Earth image. If a given data pointed is selected by clicking on it, the following information will be displayed:

- Chemical compound name
- System scan number
- Compound detection limit (in ppm)
- Compound concentration (in ppm)

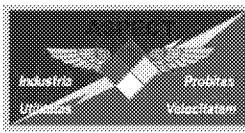
Color aerial photography – Ortho-rectified color aerial imagery is available by clicking on the Color aerial photography. As with the chemical data products, selecting this option will automatically load the most recent collection of photographic data locations into Google Earth. Loaded data will be represented on the image by a camera icon and a transparent outline of the respective image. In addition, all images associated with the data set will be displayed under the directory “ASPECT Photos” on the Temporary Places directory. To load the actual image into Google Earth, click the corresponding camera icon of the interested photograph. This will open a data balloon showing a review of the image and two options located at the bottom of the balloon;

- “Download Image Overlay into Google Earth” - Clicking on this option will download the image into the Google Earth database. After the image is downloaded, it will be shown as an overlay on the main Google Earth image. This process can be repeated as many times as needed. Note: each time you execute this procedure the referenced aerial photograph frame will appear in blue in the temporary places pane on the left hand side of the Google Earth window
- “Download High Resolution Image into Web Browser” - This option is selected if the user wishes to view a full resolution image as a stand-alone product in a web browser. Depending internet speed, this option may take up to a few minutes to fully load the image. Once in the browser, the image can be copied and used for various publishing purposes.

Mosaic Aerial Photography (Optional) --- Selection of a color mosaic will load a georectified color mosaic into Google Earth. Selected of the appropriate image is referenced to the date of collection. Due to the large size of these files, several minutes may be required to fully download the file.

False color aerial infrared imagery - Geo-rectified false color aerial infrared imagery is obtained using this option. The color palette of this imagery is false since the data represents three IR bands combined to provide an RGB image. Manipulation of the images is done in a similar fashion as to the color aerial photography.

Note: When exiting Google Earth, you can save your temporary places so that they will be available the next time you want to look at this data. Alternatively, you can merely keep the



KML file as your SAT key index into the EPA ASPECT website for accessing this data at a future time.

Oblique Photography -- Viewing of oblique color aerial photography is accomplished by selecting the oblique photography option. Once the option is selected, available oblique images for the last flight are displayed as a collection of arrows. These arrows represent the location that the aircraft was positioned and the direction the camera was pointed when the frame was collected (about 2 o'clock of the heading looking about 45 degrees down). As the cursor is moved over the respective arrows, the frame number will be highlighted. If an arrow is double clicked a thumb nail of the image will be displayed. The user has the option of downloading the image in a browser.

Aircraft Video - During most chemical related activities, airborne downward looking video is collected while the chemical sensors are active. This video is effectively a NTSC color 540 scan format collected in an AVI format. No special conversion is needed to view the video on a standard Windows computer. Selection of the video option will present data in a similar fashion as the other mission related products and will be identified as a small movie camera icon. Selection of an icon will provide the following information:

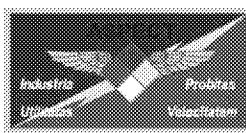
- Type -- Visible video
- Date – Date that the video was collected (based on UTC time)
- Time – UTC time
- Latitude – In decimal degrees
- Longitude – In decimal degrees
- Video file name
- Download Video option

To download the video to your local computer, click on the download video link and the video will open in a separate page asking if you wish to open the file with an installed media player (such as Windows Media Player) or to save the file for subsequent use. Irrespective, once the file is played, the video will show a color view looking down out of the aircraft.

Gamma Ray Information - If the ASPECT mission profile required that radiological data was collected, selection of the option would provide a set of gamma ray and neutron data products include:

- An aerial total gamma count vector map and contour
- A Sigma statistical analysis of the survey area
- An gamma energy exposure map and contour
- A neutron total count and contour map

Aircraft F10 Flight Tracks and Data - Flight track information for the last mission is available using this selection. Once selected, a color flight path will be displayed. Multiple tracks can be displayed by selecting additional paths from other missions. Flight tracks also shows locations were various sensor systems were in operation. This feature provides a convenient cross reference to examine data corresponding to areas the aircraft surveyed.



Weather Station Data – The final option on the icon is a collection of weather station reported data. This includes National Weather Service (NOAA) links as well as local State and aviation based links. These sources provide a convenient and up-to-date source for meteorological data including dispersion model initialization.

Data Listing

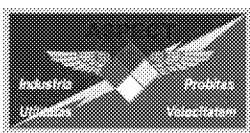
A list of data collected by flight is given in Appendix A.

8 Data Results

The ASPECT system automatically screens remote sensed data for 72 compounds in a near real-time fashion. Table 5 lists compounds included in the automated algorithm library. Detected compounds are reviewed/validated by a member of the reach back team using various tools including the use of spectral libraries to confirm the presence of indicated screened compounds. For other compounds (such as peroxides) manual methods using published IR spectra are used to develop both identification and concentration estimates.

Table 5: ASPECT Automated Chemical Compound List

Chemical Compound (detection limit in ppm)			
Acetic Acid (2.0)	Cumene (23.1)	Isoprene (6.5)	Propylene (3.7)
Acetone (5.6)	Diborane (5.0)	Isopropanol (8.5)	Propylene Oxide (6.8)
Acrolein (8.8)	1,1-Dichloroethene (3.7)	Isopropyl Acetate (0.7)	Silicon Tetrafluoride (0.2)
Acrylonitrile (12.5)	Dichloromethane (6.0)	MAPP (3.7)	Sulfur Dioxide (15)
Acrylic Acid (3.3)	Dichlorodifluoromethane (0.7)	Methyl Acetate (1.0)	Sulfur Hexafluoride (0.07)
Allyl Alcohol (5.3)	1,1-Difluoroethane (0.8)	Methyl Ethyl Ketone (7.5)	Sulfur Mustard (6.0)
Ammonia (2.0)	Difluoromethane (0.8)	Methanol (5.4)	Nitrogen Mustard (2.5)
Arsine (18.7)	Ethanol (6.3)	Methylbromide (60)	Phosgene (0.5)
Bis-Chloroethyl Ether (1.7)	Ethyl Acetate (0.8)	Methylene Chloride (1.1)	Phosphine (8.3)
Boron Tribromide (0.2)	Ethyl Formate (1.0)	Methyl Methacrylate (3.0)	Tetrachloroethylene (10)
Boron Trifluoride (5.6)	Ethylene (5.0)	MTEB (3.8)	1,1,1-Trichloroethane (1.9)



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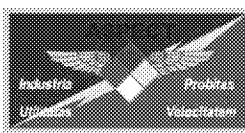


Chemical Compound (detection limit in ppm)			
1,3-Butadiene (5.0)	Formic Acid (5.0)	Naphthalene (3.8)	Trichloroethylene (2.7)
1-Butene (12.0)	Freon 134a (0.8)	n-Butyl Acetate (3.8)	Trichloromethane (0.7)
2-Butene (18.8)	GA (Tabun) (0.7)	n-Butyl Alcohol (7.9)	Triethylamine (6.2)
Carbon Tetrachloride (0.2)	GB (Sarin) (0.5)	Nitric Acid (5.0)	Triethylphosphate (0.3)
Carbonyl Chloride (0.8)	Germane (1.5)	Nitrogen Trifluoride (0.7)	Trimethylamine (9.3)
Carbon Tetrafluoride (0.1)	Hexafluoroacetone (0.4)	Phosphorus Oxychloride (2.0)	Trimethyl Phosphite (0.4)
Chlorodifluoromethane (0.6)	Isobutylene (15)	Propyl Acetate (0.7)	Vinyl Acetate (0.6)

Table 6 provides a summary of chemical detections based on the data quality objectives related to date, flight number and general location. For each of the detections, the FTIR data files which generated the detection are given. Per the DQO, two compounds were detected and reported by the ASPECT system including peroxide (reported as benzyl-peroxide) and 1-butene.

Table 6: Chemical Detections

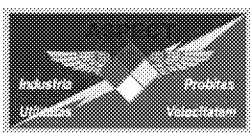
Date	Flight #	Primary Mission	Compound	FTIR File	Limit of Detection (ppm)	Detections*
8/29	1	Systems Check				
8/30	2	Arkema Site	No reportable detections			
8/31	3	Arkema Site	No reportable detections			
8/31	4	Arkema Site	Peroxide* (Arkema)	20170831_182209_A.igm 20170831_185404_A.igm 20170831_192819_A.igm	5.3	Trace (6.3*)
8/31	5	Arkema Site	Peroxide* (Arkema)	20170831_222752_A.igm	5.3	Trace (6.3*)
9/1	6	Arkema Site	No reportable detections			
9/1	7	Arkema Site & Zone 5 RNA	Peroxide* (Arkema)	20170901_174439_A.igm 20170901_192438_A.igm	5.3	Trace (6.3*), multiple passes
9/1	8	Arkema Site (Fires)	Peroxide* (Arkema)	20170901_225759_A.igm	5.3	Trace (6.3*), multiple passes
9/2	9	Arkema Site & Zones 5 & 6 RNA	No reportable detections			



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Date	Flight #	Primary Mission	Compound	FTIR File	Limit of Detection (ppm)	Detections*
9/2	10	Arkema Site & Zone 6 RNA	Peroxide* (Arkema)	20170902_181732_A.igm 20170902_195518_A.igm	5.3	Trace (6.3*), multiple passes
9/2	11	Arkema Site	Peroxide* (Arkema)	20170903_020017_A.igm 20170903_020334_A.igm 20170903_025510_A.igm	5.3	Trace (6.3*)
9/3	12	Arkema Site Zone 6 & 7 RNA	Arkema: Peroxide Zone 6: 1-butene	20170903_152842_A.igm 20170903_164739_A.igm	5.3 12.0	Trace (6.3*) Trace (13*)
9/3	13	Arkema Site	Peroxide	20170903_210753_A.igm 20170903_213305_A.igm	5.3	7.7 ppm (max)
9/4	14	Zone 7 RNA	No reportable detections			
9/4	15	Zone 4 RNA	1-butene	20170904_195323_A.igm	12.0	Trace (13*)
9/5	16	Zone 4 RNA	No reportable detections			
9/5	17	Zone 4 RNA	No reportable detections			
9/6	18	Zone 10 RNA	No reportable detections			
9/6	19	Zone 8 RNA	1-butene	20170906_193344_A.igm 20170906_201349_A.igm	12.0	Trace (13*)
9/7	20	Valero Site	No reportable detections			
9/7	21	Zone 8 RNA	1-butene	20170907_195032_A.igm 20170907_195254_A.igm 20170907_195853_A.igm 20170907_200709_A.igm 20170907_201047_A.igm 20170908_150300_A.igm 20170908_153459_A.igm 20170908_160454_A.igm 20170908_161325_A.igm 20170908_161443_A.igm 20170908_162616_A.igm 20170908_163615_A.igm 20170908_163654_A.igm 20170908_163733_A.igm 20170908_164703_A.igm 20170908_164742_A.igm 20170908_170332_A.igm 20170908_170710_A.igm 20170908_171354_A.igm	12.0	Trace (13*)
9/8	22	Beaumont Special	1-butene		12.0	Trace (13*)
9/8	23	State Special	No reportable detections			
9/9	24	Zone 9	1-butene	20170909_164540_A.igm 20170909_165035_A.igm	12.0	Trace (13*)
9/9	25	Zone 9	No reportable detections			
9/10	26	Zone 11	1-butene	20170910_132112_A.igm	12.0	Trace (13*)



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Date	Flight #	Primary Mission	Compound	FTIR File	Limit of Detection (ppm)	Detections*
9/11	27	RMP Sites	1-butene	20170911_143445_A.igm 20170911_144127_A.igm	12.0	Trace (13*)
9/11	28	RMP Sites	No reportable detections			

* “Trace” detection represents a value slightly above (about 1 ppm) the limit of detection. If the detection limit is 12 ppm, a trace measurement would be 12 ppm plus approximately 1 ppm or a total of 13 ppm.

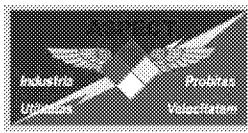
Representative Chemical Data Associated with Arkema Fire

ASPECT was used to provide airborne chemical surveillance of the Arkema facility from arrival on 30 August 2017 until the planned burning of the remaining onsite materials on 3 September 2017. The Arkema facility produced high concentration peroxides commonly used in the plastics market. Peroxides, by nature, are reactive compounds and are typically stored in a dilute state or are stabilized through means such as refrigeration. The company, forecasting possible storm damage, associated flooding and/or loss of electrical power, moved onsite peroxides from the facility refrigerated storage to trailer-based refrigerated storage (Figure 3). The facility was impacted by flood waters and after a period of time, the



Figure 3: Onsite Trailer-Based Storage of Peroxides at Arkema. Note the flood water surrounding the trailers

on-site storage trailers began to warm up resulting in the peroxides beginning to react (catch fire). Facility personnel informed the Region that the trailers were equipped with remote temperature monitoring system. As the response progressed, this telemetric data provided an indication of the state of the products based on the contents temperature. The ASEPECT team did not have access to this data but used instead the systems integrated IR night vision



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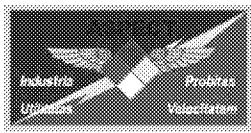


thermal camera to provide a relative indication of temperature for each trailer. An example of this type of imagery is given in Figure 4.



Figure 1: Image taken from the infrared video showing that one trailer looks warmer (e.g., colored white) than the surrounding trailers.

As each trailer warmed and the contents increased in temperature, a definitive life cycle on how the contents reacted took place. Initial indication of a reaction was typically light white smoke. Remote chemical screening of the smoke showed a weak signature of peroxide (Figure 6). Soon after white smoke was observed, the contents would react fully resulting in a high intensity fire (Figure 7). This phase of the fire often generated a black plume which was most likely due to the trailer and tires burning. Within about 60 minutes the fire had consumed the contents of the trailer and the intensity rapidly decreased. Collected spectral data tended to show normal products of combustion and low levels of peroxide. (It should be noted that in a normal state, benzyl peroxide is a solid but once reacted, e.g. combustion, forms a vapor). The ASPECT system was used to remotely monitor the plume that was generated by the Arkema fires. Due to the reactive nature of peroxides, most of the compound reacted as a result of the fire, with only trace quantities (slightly above 5.3 ppm)



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observed immediately downwind of the fire. Figure 8 illustrates the intensity of a typical fire as observed using the IR camera.

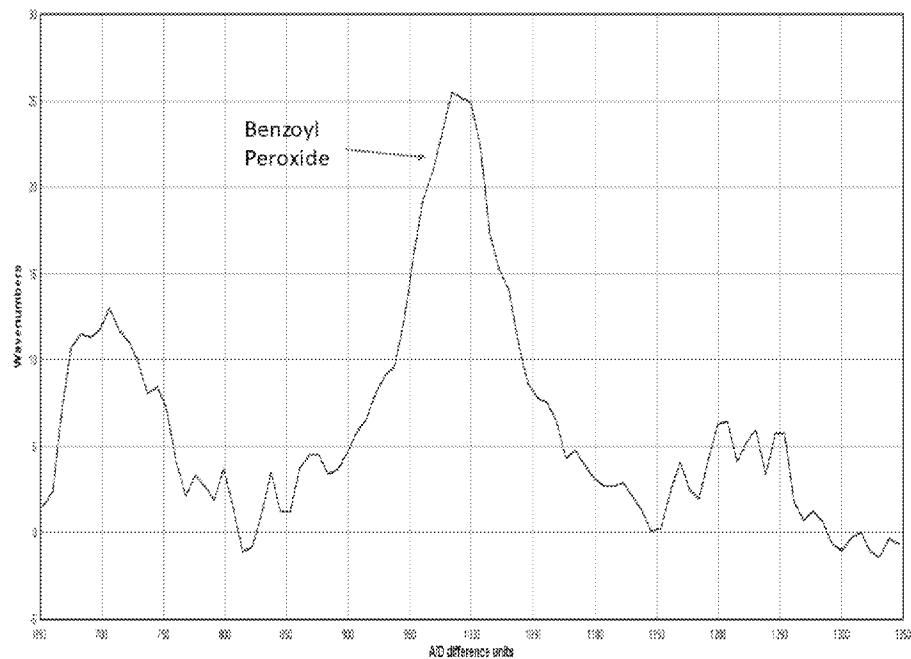
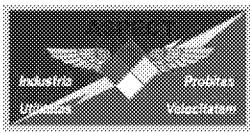


Figure 6: IR Spectral showing Peroxide Signature





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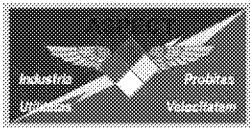
Figure 8: Infrared image obtained from an infrared video taken during the fire.

On 3 September 2017, a decision was made by the local response officials to conduct a controlled burn of the remaining trailers of peroxides at the facility. ASPECT was requested to provide near real-time monitoring of the burn. Prior to ignition, the plane was placed in a two mile orbit around the facility. At 1540 (local) the crew reported a rapidly developing fire and initiated monitoring activities. Figure 9 shows a composite of an aerial image and the associated IR image clearly showing a developing fire.



Figure 9: Aerial photo (left) taken at 5,000 ft of the Arkema trailers. Infrared image taken from the IR video showing the heat signature of the fire.

The progression of the fire was rapid as illustrated in a time lapse collection of oblique images collected from the aircraft (figure 10). As with prior detections made over the Arkema fires, the trace signatures peroxide (limit of detection about 5 ppm), as well as peroxyacetyl nitrates (PAN) and ozone were detected in the immediate downwind smoke plume. Due to an easterly wind at altitude, ASPECT was requested to make a chemical



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sweep about 1 mile to the West (downwind) of the facility and found no significant chemical detections.

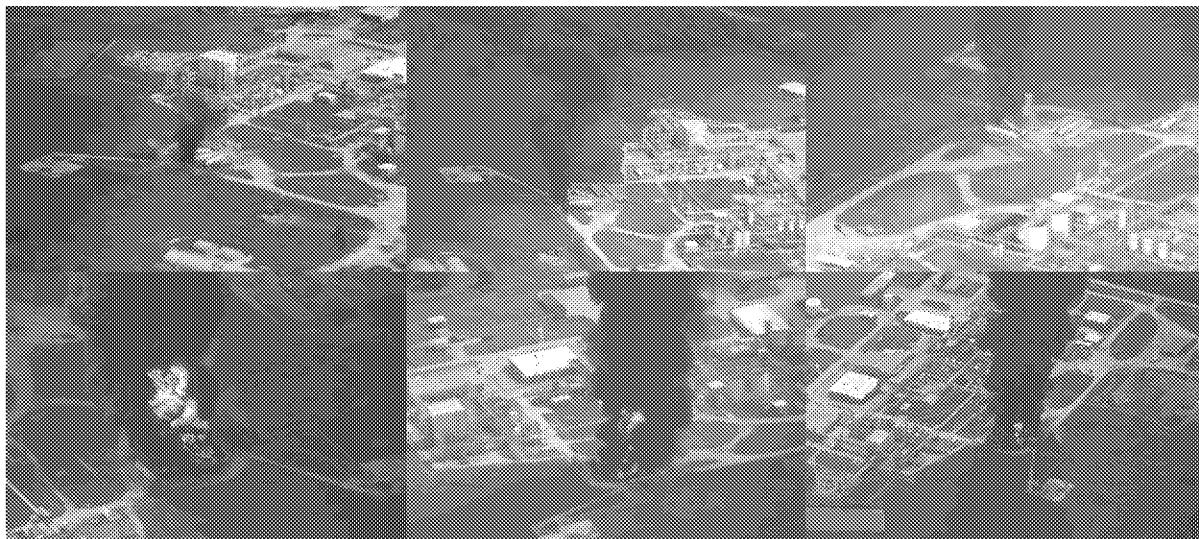


Figure 10: Series of oblique photos showing the progress of the Arkema trailers burning.

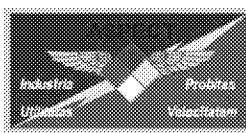
Figure 11 shows a before and after aerial image collection clearly showing how the fire entirely consumed the on-site storage trailers.



Figure 11: Before (left) and after (right) the Arkema site trailers burned

RNA Chemical Results

Throughout the RNA surveillance process, the ASPECT system was used to screen for the presence of chemical emissions at selected locations. All chemical facilities were screened and many non-chemical sites, such as RMP sites were screened. A summary of compounds detected is given in Table 6. A number of commonly occurring air pollutants such as ozone



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and PAN were routinely detected and were used to confirm that the FTIR spectrometer was operating properly (figures 12 and 13).

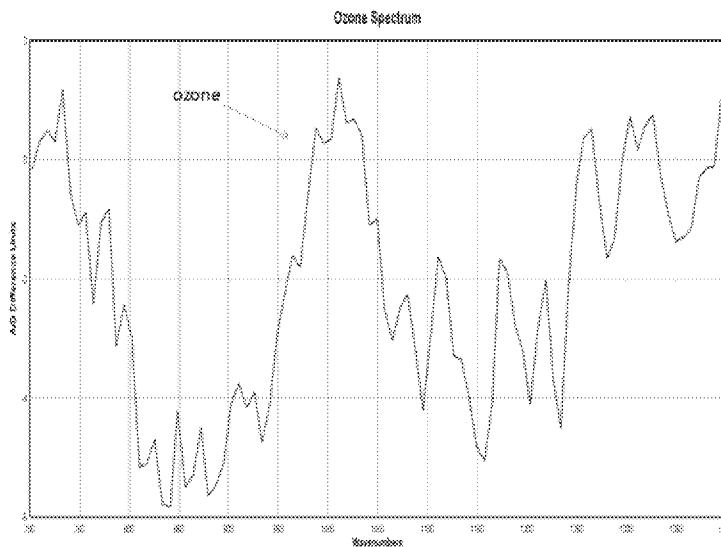


Figure 12: Passive (remotely detected at 2,800 ft AGL) FTIR spectra showing ozone, a commonly occurring air pollutant. This confirms that the instrument was operating properly.

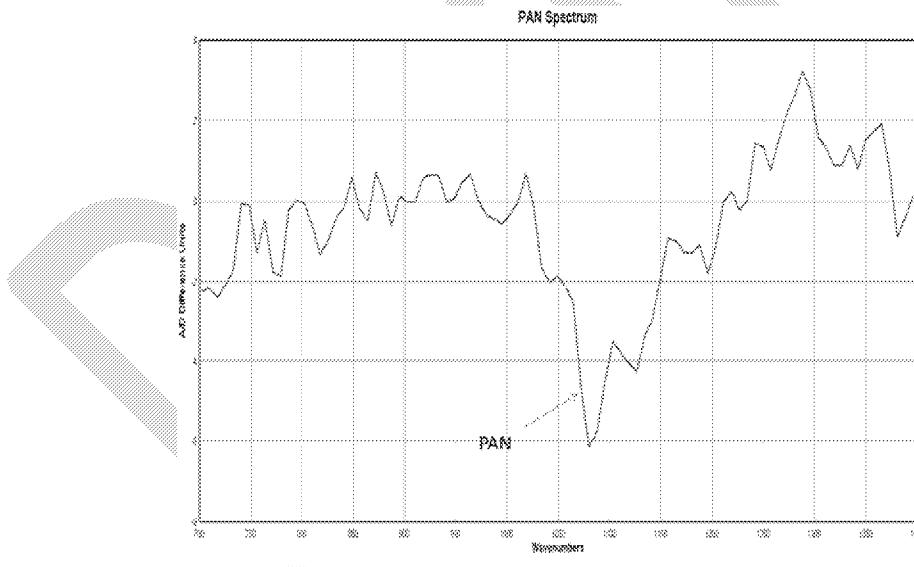
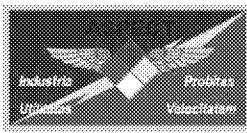


Figure 13: Passive (remotely detected at 2,800 ft AGL) FTIR spectra showing PAN, a commonly occurring air pollutant. This confirms that the instrument was operating properly.

Of the compounds specified as part of the Data Quality Objectives, only 1-Butene was observed. 1-Butene is a linear alpha-olefin (alkene) associated with polyethylene manufacturing and is one of the compounds that ASPECT is automatically setup to detect. This compound was detected in low levels over and near a number of the chemical facilities in the region. Figure 14 shows typical IR spectra of 1-Butene as characteristic by the large



peak centered around 950 wave number. Typical concentrations were just above the detection limit of the system or about 12 ppm.

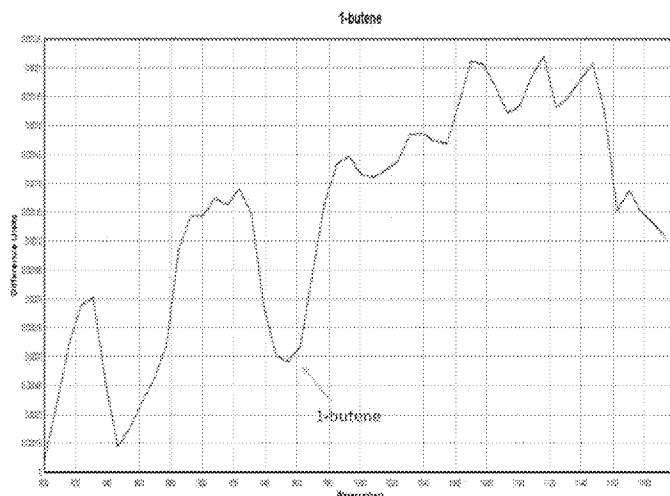


Figure 14: 1-Butene Passive IR Spectra

9 Conclusion

The ASPECT system was requested on 30 August 2017 to assist Region 6 in the response to Hurricane Harvey. ASPECT flew 28 missions which encompassed over 100 flight hours throughout the time period of 30 August 2017 to 11 September 2017. 3064 aerial photos, 786 oblique photos and over 2.4 million FTIR interferograms were collected to provide data to support the Region. From 30 August 2017 through 3 September 2017 ASPECT flew daily missions (at times multiple flights on the same day) to provide airborne monitoring of the Arkema fire. Results of this data showed low levels of peroxide (approximately 5.3 ppm) and compounds of combustion associated with the chemical fires. Chemical monitoring as part of the RNA mission showed low levels of 1-Butene (12 ppm); a compound included on the data quality objectives list.

10 ASPECT Team and Crew

Mr. Paul Kudarauskas, Chief Field Operations Branch

Dr. Mark Thomas, ASPECT Program Manager

Dr. John Cardarelli II, ASPECT Radiological / Tech Lead

Mr. Timothy Curry, ASPECT Logistics/Finance Lead

Dr. Robert Kroutil, Kalman Co Inc. ASPECT Chemical / GIS Lead (contractor)

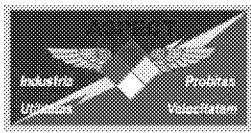
Dr. Brian Dess, Kalman Co Inc. ASPECT Chemical / IT support (contractor)

Sam Fritcher, Airborne ASPECT Inc., CEO

Beorn Leger, Airborne ASPECT Inc., Chief Pilot

Ned Conner, Airborne ASPECT Inc., Pilot

Tom Cruise, Airborne ASPECT Inc., ATP/Operator

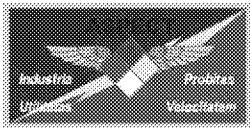


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Dallas Slay, Airborne ASPECT Inc., Equipment Operator
Robert Kirby, Airborne ASPECT Inc., Engineer
Bruce Dingman, Airborne ASPECT Engineering Tech.

DRAF

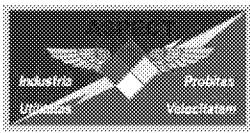


Appendix A

Data Logs

Abbreviations:

DEM – Digital elevation model
Alt – Altitude (in feet)
MSL – Mean sea level altitude (in feet)
Digital – Digital photography file from the Nikon D2X camera
MSIC – Digital photography file from the Imperx mapping camera
FTIR – Spectral IR data collected with a Fourier Transform Infrared Spectrometer
IRLS – Infrared Line Scanner
Jpg – JPEG image format
UTC – Universal Time Coordinated
img – Spectral data format based on Grams format.



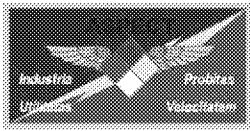
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Flight 1 -- Test Flight

Flight 2 – 30 August 2017

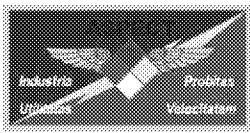
Run	Date	Time	Altitude	Heading	Speed	FTIR	IRLS	Photos
1	8/30/2017	14:09:32	2867	131	156	None	None	24mm2017_08_30_14_09_21.jpg 24mm2017_08_30_14_09_28.jpg 24mm2017_08_30_14_09_34.jpg 20170830140944249.jpg 20170830140950602.jpg 20170830140956956.jpg
2	8/30/2017	14:13:45	2389	136	188	None	None	24mm2017_08_30_14_13_35.jpg 24mm2017_08_30_14_13_41.jpg 24mm2017_08_30_14_13_47.jpg 20170830141357524.jpg 20170830141403877.jpg 20170830141410233.jpg
3	8/30/2017	14:21:22	2628	326	94	20170830_142126_A.igm	None	24mm2017_08_30_14_21_11.jpg 24mm2017_08_30_14_21_17.jpg 24mm2017_08_30_14_21_24.jpg 24mm2017_08_30_14_21_30.jpg 20170830142134173.jpg 20170830142140529.jpg 20170830142146883.jpg 20170830142153239.jpg
4	8/30/2017	14:34:30	2387	242	138	20170830_143434_A.igm	None	24mm2017_08_30_14_34_19.jpg 24mm2017_08_30_14_34_26.jpg 24mm2017_08_30_14_34_32.jpg 20170830143442191.jpg 20170830143448546.jpg 20170830143454901.jpg
5	8/30/2017	14:37:50	2364	313	94	20170830_143753_A.igm	None	24mm2017_08_30_14_37_39.jpg 24mm2017_08_30_14_37_45.jpg 24mm2017_08_30_14_37_51.jpg 24mm2017_08_30_14_37_57.jpg 24mm2017_08_30_14_38_04.jpg 20170830143801919.jpg 20170830143808274.jpg 20170830143814630.jpg 20170830143820984.jpg 20170830143827339.jpg
6	8/30/2017	14:42:03	2312	325	94	20170830_144206_A.igm	None	24mm2017_08_30_14_41_52.jpg 24mm2017_08_30_14_41_59.jpg 24mm2017_08_30_14_42_05.jpg



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								24mm2017_08_30_14_42_11.jpg
								20170830144215210.jpg
								20170830144221565.jpg
								20170830144227922.jpg
								20170830144234276.jpg
7	8/30/2017	14:45:49	2646	319	90	20170830_144553_A.igm	None	24mm2017_08_30_14_45_38.jpg
								24mm2017_08_30_14_45_45.jpg
								24mm2017_08_30_14_45_51.jpg
								24mm2017_08_30_14_45_57.jpg
								24mm2017_08_30_14_46_03.jpg
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								20170830144607619.jpg
								20170830144613975.jpg
								20170830144620328.jpg
								20170830144626684.jpg
8	8/30/2017	14:49:48	2473	316	94	20170830_144952_A.igm	None	24mm2017_08_30_14_49_37.jpg
								24mm2017_08_30_14_49_43.jpg
								24mm2017_08_30_14_49_49.jpg
								24mm2017_08_30_14_49_56.jpg
								20170830145000030.jpg
								20170830145006384.jpg
								20170830145012739.jpg
								20170830145019094.jpg
9	8/30/2017	14:54:01	2235	317	86	20170830_145405_A.igm	None	24mm2017_08_30_14_53_48.jpg
								24mm2017_08_30_14_53_53.jpg
								24mm2017_08_30_14_53_57.jpg
								24mm2017_08_30_14_54_01.jpg
								24mm2017_08_30_14_54_06.jpg
								24mm2017_08_30_14_54_10.jpg
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								24mm2017_08_30_14_54_18.jpg
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								20170830145424215.jpg
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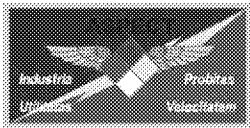


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Flight 3 – 31 August 2017

Run	Date	Time	Altitude	Heading	Speed	FTIR	IRLS	Photos
1	8/31/2017	10:31:40	-73	127	0	20170831_103142_A.igm	None	24mm2017_08_31_10_31_26.jpg 24mm2017_08_31_10_31_32.jpg 24mm2017_08_31_10_31_38.jpg 20170831103152332.jpg 20170831103158686.jpg 20170831103205040.jpg
2	8/31/2017	10:34:29	-77	128	0	None	2017_08_31_10_34_32_R_01	24mm2017_08_31_10_34_15.jpg 24mm2017_08_31_10_34_21.jpg 24mm2017_08_31_10_34_28.jpg 20170831103441187.jpg 20170831103447548.jpg 20170831103453899.jpg
3	8/31/2017	12:15:59	2987	155	183	None	None	24mm2017_08_31_12_15_48.jpg 24mm2017_08_31_12_15_55.jpg 24mm2017_08_31_12_16_01.jpg 20170831121611653.jpg 20170831121618009.jpg 20170831121624363.jpg
4	8/31/2017	12:20:39	3295	40	118	20170831_122046_A.igm	None	24mm2017_08_31_12_20_28.jpg 24mm2017_08_31_12_20_34.jpg 24mm2017_08_31_12_20_40.jpg 20170831122051269.jpg 20170831122057624.jpg 20170831122103978.jpg
5	8/31/2017	12:24:20	2657	22	106	20170831_122424_A.igm	None	24mm2017_08_31_12_24_10.jpg 24mm2017_08_31_12_24_16.jpg 24mm2017_08_31_12_24_22.jpg 24mm2017_08_31_12_24_28.jpg 20170831122432787.jpg 20170831122439140.jpg 20170831122445495.jpg 20170831122451853.jpg
6	8/31/2017	12:28:07	3220	35	120	20170831_122810_A.igm	2017_08_31_12_28_12_R_04	24mm2017_08_31_12_27_56.jpg 24mm2017_08_31_12_28_02.jpg 24mm2017_08_31_12_28_09.jpg 24mm2017_08_31_12_28_15.jpg 20170831122819747.jpg 20170831122826102.jpg 20170831122832457.jpg 20170831122838812.jpg
7	8/31/2017	12:31:13	3047	312	104	20170831_123117_A.igm	2017_08_31_12_31_18_R_05	24mm2017_08_31_12_31_02.jpg

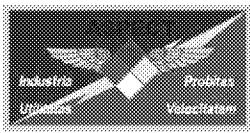


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									24mm2017_08_31_12_31_14.jpg
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									20170831123131302.jpg
									20170831123137656.jpg
									20170831123144012.jpg
8	8/31/2017	12:36:11	2980	299	103	20170831_123614_A.igm	2017_08_31_12_36_16_R_06		24mm2017_08_31_12_36_00.jpg
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									20170831123635431.jpg
									20170831123641786.jpg
9	8/31/2017	12:39:39	3006	309	103	20170831_123943_A.igm	None		24mm2017_08_31_12_39_28.jpg
									24mm2017_08_31_12_39_34.jpg
									24mm2017_08_31_12_39_41.jpg
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									20170831124004238.jpg
									20170831124010592.jpg
									20170831124016946.jpg
10	8/31/2017	13:15:49	3078	300	93	20170831_131553_A.igm	2017_08_31_13_15_54_R_08		24mm2017_08_31_13_15_38.jpg
									24mm2017_08_31_13_15_45.jpg
									24mm2017_08_31_13_15_51.jpg
									24mm2017_08_31_13_15_57.jpg
									24mm2017_08_31_13_16_03.jpg
									20170831131601265.jpg
									20170831131607620.jpg
									20170831131613972.jpg
									20170831131620326.jpg
									20170831131626682.jpg

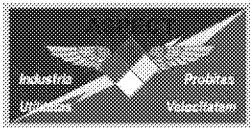
Run	Date	Time	Altitude	Heading	Speed	FTIR	IRLS	Photos
1	8/31/2017	10:31:40	-73	127	0	20170831_103142_A.igm	None	24mm2017_08_31_10_31_26.jpg



2017 Hurricane Harvey Deployment ASPECT Response



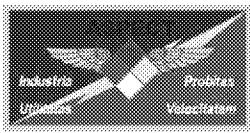
2	8/31/2017	10:34:29	-77	128	0	None	2017_08_31_10_34_32_R_01	24mm2017_08_31_10_34_15.jpg 24mm2017_08_31_10_34_21.jpg 24mm2017_08_31_10_34_28.jpg 20170831103441187.jpg 20170831103447548.jpg 20170831103453899.jpg
3	8/31/2017	12:15:59	2987	155	183	None		24mm2017_08_31_12_15_48.jpg 24mm2017_08_31_12_15_55.jpg 24mm2017_08_31_12_16_01.jpg 20170831121611653.jpg 20170831121618009.jpg 20170831121624363.jpg
4	8/31/2017	12:20:39	3295	40	118	20170831_122046_A.igm	None	24mm2017_08_31_12_20_28.jpg 24mm2017_08_31_12_20_34.jpg 24mm2017_08_31_12_20_40.jpg 20170831122051269.jpg 20170831122057624.jpg 20170831122103978.jpg
5	8/31/2017	12:24:20	2657	22	106	20170831_122424_A.igm	None	24mm2017_08_31_12_24_10.jpg 24mm2017_08_31_12_24_16.jpg 24mm2017_08_31_12_24_22.jpg 24mm2017_08_31_12_24_28.jpg 20170831122432787.jpg 20170831122439140.jpg 20170831122445495.jpg 20170831122451853.jpg
6	8/31/2017	12:28:07	3220	35	120	20170831_122810_A.igm	2017_08_31_12_28_12_R_04	24mm2017_08_31_12_27_56.jpg 24mm2017_08_31_12_28_02.jpg 24mm2017_08_31_12_28_09.jpg 24mm2017_08_31_12_28_15.jpg 20170831122819747.jpg 20170831122826102.jpg 20170831122832457.jpg 20170831122838812.jpg
7	8/31/2017	12:31:13	3047	312	104	20170831_123117_A.igm	2017_08_31_12_31_18_R_05	24mm2017_08_31_12_31_02.jpg 24mm2017_08_31_12_31_08.jpg 24mm2017_08_31_12_31_14.jpg 24mm2017_08_31_12_31_20.jpg 20170831123124945.jpg 20170831123131302.jpg 20170831123137656.jpg 20170831123144012.jpg
8	8/31/2017	12:36:11	2980	299	103	20170831_123614_A.igm	2017_08_31_12_36_16_R_06	24mm2017_08_31_12_36_00.jpg 24mm2017_08_31_12_36_06.jpg



2017 Hurricane Harvey Deployment ASPECT Response



9	8/31/2017	12:39:39	3006	309	103	20170831_123943_A.igm	None	24mm2017_08_31_12_36_12.jpg 24mm2017_08_31_12_36_19.jpg 20170831123622721.jpg 20170831123629075.jpg 20170831123635431.jpg 20170831123641786.jpg 24mm2017_08_31_12_39_28.jpg 24mm2017_08_31_12_39_34.jpg 24mm2017_08_31_12_39_41.jpg 24mm2017_08_31_12_39_47.jpg 24mm2017_08_31_12_39_53.jpg 20170831123951528.jpg 20170831123957882.jpg 20170831124004238.jpg 20170831124010592.jpg 20170831124016946.jpg
10	8/31/2017	13:15:49	3078	300	93	20170831_131553_A.igm	2017_08_31_13_15_54_R_08	24mm2017_08_31_13_15_38.jpg 24mm2017_08_31_13_15_45.jpg 24mm2017_08_31_13_15_51.jpg 24mm2017_08_31_13_15_57.jpg 24mm2017_08_31_13_16_03.jpg 20170831131601265.jpg 20170831131607620.jpg 20170831131613972.jpg 20170831131620326.jpg 20170831131626682.jpg

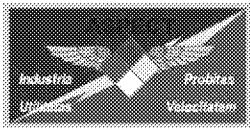


2017 Hurricane Harvey Deployment ASPECT Response



Flight 4 – 31 August 2017

Run	Date	Time	Altitude	Heading	Speed	FTIR	IRLS	Photos
1	8/31/2017	16:03:32	3528	131	176	20170831_160337_A.igm	2017_08_31_16_03_37_R_02	24mm2017_08_31_16_02_44.jpg 24mm2017_08_31_16_02_50.jpg 24mm2017_08_31_16_02_56.jpg 24mm2017_08_31_16_03_03.jpg 24mm2017_08_31_16_03_09.jpg 24mm2017_08_31_16_03_15.jpg 20170831160343870.jpg 20170831160350225.jpg 20170831160356580.jpg 20170831160402935.jpg 20170831160409292.jpg 20170831160415647.jpg
2	8/31/2017	17:01:56	2931	155	167	None	None	24mm2017_08_31_17_01_08.jpg 24mm2017_08_31_17_01_15.jpg 24mm2017_08_31_17_01_21.jpg 20170831170208164.jpg 20170831170214518.jpg 20170831170220872.jpg
3	8/31/2017	17:13:48	3146	313	110	20170831_171351_A.igm	None	24mm2017_08_31_17_13_00.jpg 24mm2017_08_31_17_13_06.jpg 24mm2017_08_31_17_13_12.jpg 20170831171359913.jpg 20170831171406267.jpg 20170831171412622.jpg
4	8/31/2017	17:23:18	2885	250	110	None	None	24mm2017_08_31_17_22_31.jpg 24mm2017_08_31_17_22_37.jpg 24mm2017_08_31_17_22_43.jpg 20170831172330941.jpg 20170831172337296.jpg 20170831172343653.jpg
5	8/31/2017	17:30:05	2957	29	127	None	None	24mm2017_08_31_17_29_18.jpg 24mm2017_08_31_17_29_24.jpg 24mm2017_08_31_17_29_30.jpg 20170831173017653.jpg 20170831173024009.jpg 20170831173030366.jpg
6	8/31/2017	17:33:55	2980	168	139	None	None	24mm2017_08_31_17_33_07.jpg 24mm2017_08_31_17_33_13.jpg 24mm2017_08_31_17_33_19.jpg 20170831173407341.jpg



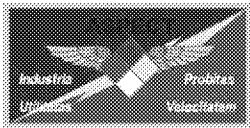
2017 Hurricane Harvey Deployment ASPECT Response



20170831173413697.jpg

20170831173419144.jpg

DRAFT

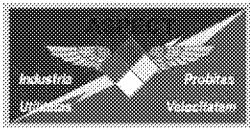


2017 Hurricane Harvey Deployment ASPECT Response



Flight 5 – 31 August 2017

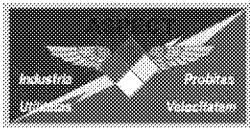
Run	Date	Time	Altitude	Heading	Speed	FTIR	IRLS	Photos
1	8/31/2017	21:26:55	2988	306	106	20170831_212658_A.igm	None	24mm2017_08_31_21_26_34.jpg 24mm2017_08_31_21_26_41.jpg 24mm2017_08_31_21_26_47.jpg 24mm2017_08_31_21_26_53.jpg 24mm2017_08_31_21_27_00.jpg 201708312127047.jpg 20170831212713402.jpg 20170831212719759.jpg 20170831212726114.jpg 20170831212732467.jpg
2	8/31/2017	21:33:27	2881	300	115	20170831_213330_A.igm	None	24mm2017_08_31_21_33_07.jpg 24mm2017_08_31_21_33_13.jpg 24mm2017_08_31_21_33_19.jpg 24mm2017_08_31_21_33_26.jpg 20170831213339241.jpg 20170831213345595.jpg 20170831213351950.jpg 20170831213358306.jpg
3	8/31/2017	21:59:39	2879	308	117	20170831_215944_A.igm	None	24mm2017_08_31_21_59_19.jpg 24mm2017_08_31_21_59_25.jpg 24mm2017_08_31_21_59_32.jpg 24mm2017_08_31_21_59_38.jpg 20170831215951613.jpg 20170831215957967.jpg 201708312200014323.jpg 20170831220010677.jpg
4	8/31/2017	22:06:37	2924	312	116	20170831_220641_A.igm	None	24mm2017_08_31_22_06_17.jpg 24mm2017_08_31_22_06_23.jpg 24mm2017_08_31_22_06_30.jpg 24mm2017_08_31_22_06_36.jpg 20170831220650124.jpg 20170831220656478.jpg 20170831220702833.jpg 20170831220709188.jpg
5	8/31/2017	22:27:49	3032	306	108	20170831_222752_A.igm	None	24mm2017_08_31_22_27_29.jpg 24mm2017_08_31_22_27_35.jpg 24mm2017_08_31_22_27_41.jpg 24mm2017_08_31_22_27_48.jpg 20170831222801117.jpg 20170831222807472.jpg



2017 Hurricane Harvey Deployment ASPECT Response



6	8/31/2017	22:34:53	2889	307	112	20170831_223457_A.igm	None	20170831222813827.jpg 20170831222820186.jpg 24mm2017_08_31_22_34_32.jpg 24mm2017_08_31_22_34_39.jpg 24mm2017_08_31_22_34_45.jpg 24mm2017_08_31_22_34_51.jpg 20170831223505085.jpg 20170831223511440.jpg 20170831223517796.jpg 20170831223524150.jpg
7	8/31/2017	22:50:06	3116	305	114	20170831_225010_A.igm	None	24mm2017_08_31_22_49_46.jpg 24mm2017_08_31_22_49_52.jpg 24mm2017_08_31_22_49_58.jpg 24mm2017_08_31_22_50_05.jpg 24mm2017_08_31_22_50_11.jpg 20170831225018387.jpg 20170831225024742.jpg 20170831225031097.jpg 20170831225037452.jpg 20170831225043807.jpg
8	8/31/2017	22:56:08	2921	306	117	20170831_225612_A.igm	None	24mm2017_08_31_22_55_48.jpg 24mm2017_08_31_22_55_54.jpg 24mm2017_08_31_22_56_00.jpg 24mm2017_08_31_22_56_07.jpg 20170831225620621.jpg 20170831225626976.jpg 20170831225633331.jpg 20170831225639686.jpg
9	8/31/2017	23:32:23	2865	308	117	20170831_233227_A.igm	None	24mm2017_08_31_23_32_03.jpg 24mm2017_08_31_23_32_09.jpg 24mm2017_08_31_23_32_15.jpg 24mm2017_08_31_23_32_22.jpg 20170831233235814.jpg 20170831233242169.jpg 20170831233248524.jpg 20170831233253971.jpg

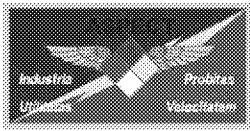


2017 Hurricane Harvey Deployment ASPECT Response



Flight 6 – 1 September 2017

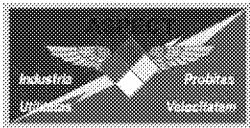
Run	Date	Time	Altitude	Heading	Speed	FTIR	IRLS	Photos
1	9/1/2017	11:51:57	3040	321	123	20170901_115200_A.igm	None	24mm2017_09_01_11_51_56.jpg 24mm2017_09_01_11_52_02.jpg 24mm2017_09_01_11_52_08.jpg 24mm2017_09_01_11_52_14.jpg 20170901115209870.jpg 20170901115216225.jpg 20170901115222579.jpg 20170901115228935.jpg
2	9/1/2017	11:56:19	3074	318	123	20170901_115623_A.igm	None	24mm2017_09_01_11_56_17.jpg 24mm2017_09_01_11_56_24.jpg 24mm2017_09_01_11_56_30.jpg 24mm2017_09_01_11_56_36.jpg 20170901115631333.jpg 20170901115637687.jpg 20170901115644043.jpg 20170901115650398.jpg
3	9/1/2017	12:00:22	2933	319	131	20170901_120025_A.igm	None	24mm2017_09_01_12_00_20.jpg 24mm2017_09_01_12_00_26.jpg 24mm2017_09_01_12_00_32.jpg 20170901120033730.jpg 20170901120040085.jpg 20170901120046441.jpg
4	9/1/2017	12:10:38	2841	314	127	20170901_121042_A.igm	None	24mm2017_09_01_12_10_37.jpg 24mm2017_09_01_12_10_43.jpg 24mm2017_09_01_12_10_49.jpg 20170901121051071.jpg 20170901121057426.jpg 20170901121102875.jpg
5	9/1/2017	12:15:39	2932	313	131	20170901_121543_A.igm	None	24mm2017_09_01_12_15_38.jpg 24mm2017_09_01_12_15_44.jpg 24mm2017_09_01_12_15_50.jpg 20170901121551570.jpg 20170901121557924.jpg 20170901121604281.jpg
6	9/1/2017	12:47:44	3078	311	120	20170901_124747_A.igm	None	24mm2017_09_01_12_47_42.jpg 24mm2017_09_01_12_47_49.jpg 24mm2017_09_01_12_47_55.jpg 24mm2017_09_01_12_48_01.jpg 20170901124756211.jpg 20170901124802566.jpg



2017 Hurricane Harvey Deployment ASPECT Response



7	9/1/2017	12:52:18	3056	311	123	20170901_125221_A.igm	None	20170901124808921.jpg 20170901124815278.jpg 24mm2017_09_01_12_52_16.jpg 24mm2017_09_01_12_52_22.jpg 24mm2017_09_01_12_52_29.jpg 24mm2017_09_01_12_52_35.jpg 20170901125230380.jpg 20170901125236735.jpg 20170901125243091.jpg 20170901125249444.jpg
8	9/1/2017	13:02:19	2964	315	131	20170901_130223_A.igm	None	24mm2017_09_01_13_02_17.jpg 24mm2017_09_01_13_02_23.jpg 24mm2017_09_01_13_02_29.jpg 20170901130231377.jpg 20170901130237733.jpg 20170901130244087.jpg
9	9/1/2017	13:35:05	3060	315	127	20170901_133509_A.igm	None	24mm2017_09_01_13_35_03.jpg 24mm2017_09_01_13_35_09.jpg 24mm2017_09_01_13_35_16.jpg 24mm2017_09_01_13_35_22.jpg 20170901133517756.jpg 20170901133523202.jpg 20170901133529558.jpg 20170901133535912.jpg
10	9/1/2017	13:39:23	3093	315	127	20170901_133927_A.igm	None	24mm2017_09_01_13_39_21.jpg 24mm2017_09_01_13_39_27.jpg 24mm2017_09_01_13_39_34.jpg 20170901133935586.jpg 20170901133941942.jpg 20170901133948296.jpg

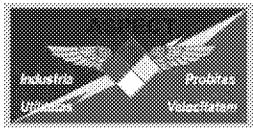


2017 Hurricane Harvey Deployment ASPECT Response



Flight 7 – 1 September 2017

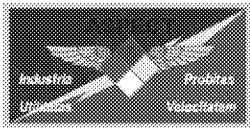
Run	Date	Time	Altitude	Heading	Speed	FTIR	IRLS	Photos
1	9/1/2017	15:59:13	426	47	90	None	None	24mm2017_09_01_15_58_56.jpg 24mm2017_09_01_15_58_58.jpg 24mm2017_09_01_15_59_06.jpg 20170901155925924.jpg 20170901155935911.jpg 20170901155942264.jpg
2	9/1/2017	16:17:59	3041	319	122	20170901_161802_A.igm	None	24mm2017_09_01_15_59_12.jpg 24mm2017_09_01_16_17_41.jpg 24mm2017_09_01_16_17_47.jpg 24mm2017_09_01_16_17_54.jpg 20170901161810671.jpg 20170901161817026.jpg 20170901161823384.jpg 20170901161829737.jpg
3	9/1/2017	16:26:10	2989	314	129	20170901_162614_A.igm	None	24mm2017_09_01_16_18_00.jpg 24mm2017_09_01_16_25_53.jpg 24mm2017_09_01_16_25_59.jpg 20170901162622729.jpg 20170901162628176.jpg 20170901162634530.jpg
4	9/1/2017	16:32:53	3043	97	115	20170901_163257_A.igm	None	24mm2017_09_01_16_26_05.jpg 24mm2017_09_01_16_32_36.jpg 24mm2017_09_01_16_32_42.jpg 20170901163304901.jpg 20170901163311256.jpg 20170901163317611.jpg
5	9/1/2017	16:35:35	3046	30	115	20170901_163539_A.igm	None	24mm2017_09_01_16_32_48.jpg 24mm2017_09_01_16_35_18.jpg 24mm2017_09_01_16_35_24.jpg 24mm2017_09_01_16_35_30.jpg 24mm2017_09_01_16_35_37.jpg 20170901163547406.jpg 20170901163553761.jpg 20170901163600117.jpg 20170901163606471.jpg 20170901163612826.jpg
6	9/1/2017	16:40:07	3165	227	114	20170901_164012_A.igm	None	24mm2017_09_01_16_35_43.jpg 24mm2017_09_01_16_39_50.jpg 24mm2017_09_01_16_39_57.jpg 24mm2017_09_01_16_40_03.jpg



2017 Hurricane Harvey Deployment
ASPECT Response



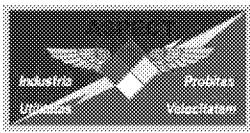
7	9/1/2017	16:44:28	2955	264	129	20170901_164431_A.igm	None											20170901164019764.jpg	20170901164026117.jpg	20170901164032473.jpg	20170901164038827.jpg
8	9/1/2017	16:59:35	2996	281	127	20170901_165939_A.igm	None											24mm2017_09_01_16_40_09.jpg	20170901164439408.jpg	24mm2017_09_01_16_44_10.jpg	24mm2017_09_01_16_59_18.jpg
9	9/1/2017	17:04:15	3048	72	118	20170901_170420_A.igm	None											24mm2017_09_01_16_59_24.jpg	20170901165947242.jpg	20170901165953597.jpg	20170901165959951.jpg
10	9/1/2017	0.71458	3009	239	125	20170901_170904_A.igm	None											24mm2017_09_01_16_59_30.jpg	24mm2017_09_01_17_03_58.jpg	24mm2017_09_01_17_04_05.jpg	20170901170427754.jpg
11	9/1/2017	17:15:17	3146	44	115	20170901_171520_A.igm	None											20170901170434108.jpg	20170901170440463.jpg	24mm2017_09_01_17_04_11.jpg	24mm2017_09_01_17_08_43.jpg
12	9/1/2017	17:18:05	3061	39	111	20170901_171808_A.igm	None											24mm2017_09_01_17_08_49.jpg	24mm2017_09_01_17_08_55.jpg	24mm2017_09_01_17_09_02.jpg	24mm2017_09_01_17_09_08.jpg
																		24mm2017_09_01_17_09_14.jpg	24mm2017_09_01_17_09_21.jpg	24mm2017_09_01_17_09_27.jpg	24mm2017_09_01_17_09_33.jpg
																		20170901170912805.jpg	20170901170919162.jpg	20170901170924608.jpg	20170901170930963.jpg
																		20170901170937318.jpg	20170901170943673.jpg	20170901170950028.jpg	20170901170956382.jpg
																		20170901171002737.jpg	20170901171009093.jpg	24mm2017_09_01_17_09_40.jpg	24mm2017_09_01_17_14_59.jpg
																		20170901171528658.jpg	20170901171535012.jpg	24mm2017_09_01_17_15_06.jpg	24mm2017_09_01_17_17_47.jpg



2017 Hurricane Harvey Deployment ASPECT Response



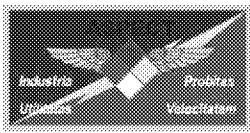
13	9/1/2017	17:21:21	3124	88	109	20170901_172125_A.igm	None	24mm2017_09_01_17_17_53.jpg 24mm2017_09_01_17_18_00.jpg 20170901171816610.jpg 20170901171822965.jpg 20170901171829320.jpg 20170901171835676.jpg 24mm2017_09_01_17_18_06.jpg 24mm2017_09_01_17_21_04.jpg 24mm2017_09_01_17_21_10.jpg 20170901172133611.jpg 20170901172139056.jpg 20170901172145412.jpg 24mm2017_09_01_17_21_16.jpg 24mm2017_09_01_17_23_47.jpg 24mm2017_09_01_17_23_54.jpg 24mm2017_09_01_17_24_00.jpg 24mm2017_09_01_17_24_06.jpg 24mm2017_09_01_17_24_12.jpg 20170901172417021.jpg 20170901172423377.jpg 20170901172429733.jpg 20170901172436086.jpg 20170901172442441.jpg 20170901172447888.jpg 24mm2017_09_01_17_24_19.jpg 24mm2017_09_01_17_27_10.jpg 24mm2017_09_01_17_27_17.jpg 24mm2017_09_01_17_27_23.jpg 20170901172739469.jpg 20170901172745827.jpg 20170901172752179.jpg 20170901172758534.jpg 24mm2017_09_01_17_27_29.jpg 24mm2017_09_01_17_32_34.jpg 24mm2017_09_01_17_32_40.jpg 20170901173303574.jpg 20170901173309928.jpg 20170901173316286.jpg 24mm2017_09_01_17_32_46.jpg 20170901173654169.jpg 24mm2017_09_01_17_36_25.jpg 24mm2017_09_01_17_40_22.jpg 20170901174051119.jpg 20170901174057474.jpg
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2017 Hurricane Harvey Deployment ASPECT Response



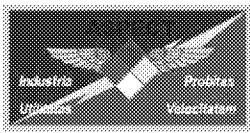
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2017 Hurricane Harvey Deployment ASPECT Response



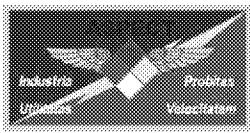
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2017 Hurricane Harvey Deployment ASPECT Response



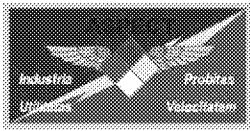
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2017 Hurricane Harvey Deployment ASPECT Response



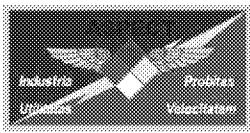
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2017 Hurricane Harvey Deployment ASPECT Response



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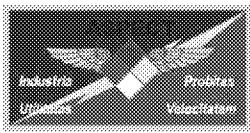


2017 Hurricane Harvey Deployment ASPECT Response



Flight 8 – 1 September 2017

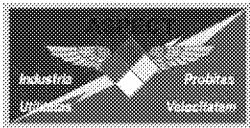
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2	9/1/2017	22:19:13	2930	31	139	None	None	24mm2017_09_01_22_18_27.jpg 24mm2017_09_01_22_18_34.jpg 24mm2017_09_01_22_18_40.jpg 20170901221925416.jpg 20170901221931771.jpg 20170901221938126.jpg
3	9/1/2017	22:24:27	2982	337	126	20170901_222431_A.igm	None	24mm2017_09_01_22_23_41.jpg 24mm2017_09_01_22_23_47.jpg 24mm2017_09_01_22_23_54.jpg 20170901222439535.jpg 20170901222445890.jpg 20170901222452247.jpg
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5	9/1/2017	22:32:04	3783	341	139	20170901_223208_A.igm	None	24mm2017_09_01_22_31_18.jpg 24mm2017_09_01_22_31_24.jpg 20170901223216186.jpg 20170901223222542.jpg
6	9/1/2017	22:35:19	2699	329	135	20170901_223522_A.igm	None	24mm2017_09_01_22_34_33.jpg 24mm2017_09_01_22_34_39.jpg 20170901223531374.jpg 20170901223537731.jpg
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2017 Hurricane Harvey Deployment ASPECT Response



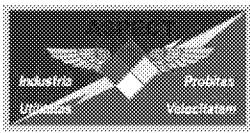
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2017 Hurricane Harvey Deployment ASPECT Response



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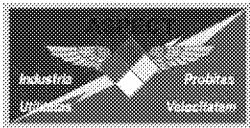


2017 Hurricane Harvey Deployment ASPECT Response



Flight 9 – 2 September 2017

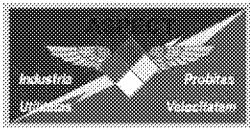
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3	9/2/2017	13:14:37	3052	75	123	None	None	24mm2017_09_02_13_13_54.jpg 24mm2017_09_02_13_14_00.jpg 24mm2017_09_02_13_14_07.jpg 24mm2017_09_02_13_14_13.jpg 20170902131450269.jpg 20170902131456625.jpg 20170902131502978.jpg 20170902131508427.jpg
4	9/2/2017	13:21:02	2981	329	129	20170902_132107_A.igm	None	24mm2017_09_02_13_20_19.jpg 24mm2017_09_02_13_20_25.jpg 24mm2017_09_02_13_20_31.jpg 20170902132114289.jpg 20170902132120644.jpg 20170902132126999.jpg
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2017 Hurricane Harvey Deployment ASPECT Response



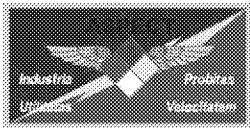
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2017 Hurricane Harvey Deployment ASPECT Response



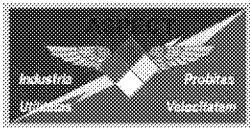
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2017 Hurricane Harvey Deployment ASPECT Response



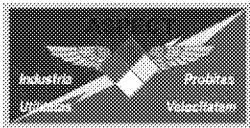
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2017 Hurricane Harvey Deployment ASPECT Response



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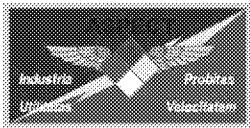


2017 Hurricane Harvey Deployment ASPECT Response



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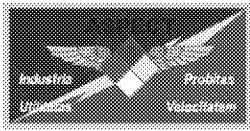
2017 Hurricane Harvey Deployment ASPECT Response



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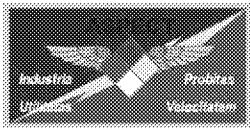
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2017 Hurricane Harvey Deployment ASPECT Response



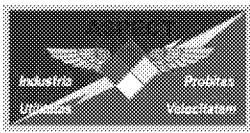
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2017 Hurricane Harvey Deployment ASPECT Response



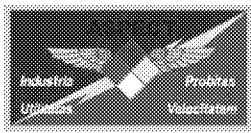
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30	9/2/2017	15:22:29	3168	180	120	20170902_152233_A.igm	None	
31	9/2/2017	15:28:01	3028	267	123	20170902_152806_A.igm	None	



2017 Hurricane Harvey Deployment ASPECT Response



32	9/2/2017	15:31:35	3026	84	125	None	None	20170902152831998.jpg 20170902152838352.jpg 24mm2017_09_02_15_30_52.jpg 24mm2017_09_02_15_30_58.jpg 24mm2017_09_02_15_31_05.jpg 20170902153148094.jpg 20170902153154449.jpg 20170902153200804.jpg
33	9/2/2017	15:33:45	2893	268	126	None	None	24mm2017_09_02_15_33_02.jpg 24mm2017_09_02_15_33_08.jpg 24mm2017_09_02_15_33_14.jpg 20170902153357918.jpg 20170902153403365.jpg 20170902153409719.jpg
34	9/2/2017	15:37:08	3159	278	118	20170902_153712_A.igm	None	24mm2017_09_02_15_36_24.jpg 24mm2017_09_02_15_36_31.jpg 24mm2017_09_02_15_36_37.jpg 24mm2017_09_02_15_36_43.jpg 24mm2017_09_02_15_36_50.jpg 20170902153720369.jpg 20170902153726725.jpg 20170902153733079.jpg 20170902153739434.jpg 20170902153745788.jpg
35	9/2/2017	15:43:35	3133	323	118	20170902_154339_A.igm	None	24mm2017_09_02_15_42_51.jpg 24mm2017_09_02_15_42_57.jpg 24mm2017_09_02_15_43_04.jpg 20170902154347116.jpg 20170902154353470.jpg 20170902154359826.jpg
36	9/2/2017	15:48:54	3081	349	125	None	None	24mm2017_09_02_15_48_11.jpg 24mm2017_09_02_15_48_17.jpg 24mm2017_09_02_15_48_23.jpg 20170902154906680.jpg 20170902154913034.jpg 20170902154919389.jpg
37	9/2/2017	16:27:02	3117	333	121	20170902_162706_A.igm	None	24mm2017_09_02_16_26_19.jpg 24mm2017_09_02_16_26_25.jpg 24mm2017_09_02_16_26_32.jpg 24mm2017_09_02_16_26_38.jpg 20170902162714505.jpg 20170902162720859.jpg 20170902162727214.jpg 20170902162733568.jpg

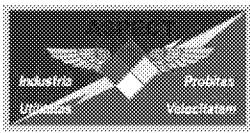


2017 Hurricane Harvey Deployment ASPECT Response



38	9/2/2017	16:31:57	2997	328	125	20170902_163201_A.igm	None	24mm2017_09_02_16_31_14.jpg
								24mm2017_09_02_16_31_20.jpg
								24mm2017_09_02_16_31_26.jpg
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								20170902163215902.jpg
								20170902163222256.jpg

DRAFT

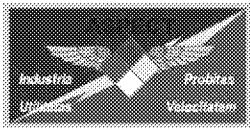


2017 Hurricane Harvey Deployment ASPECT Response



Flight 10 – 2 September 2017

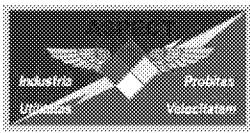
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2	9/2/2017	18:12:37	2981	329	123	20170902_181240_A.igm	None	24mm2017_09_02_18_11_52.jpg 24mm2017_09_02_18_11_58.jpg 24mm2017_09_02_18_12_05.jpg 24mm2017_09_02_18_12_11.jpg 20170902181248479.jpg 20170902181254835.jpg 20170902181301189.jpg 20170902181307545.jpg
3	9/2/2017	18:17:29	3014	332	120	20170902_181732_A.igm	None	24mm2017_09_02_18_16_44.jpg 24mm2017_09_02_18_16_50.jpg 24mm2017_09_02_18_16_57.jpg 20170902181740808.jpg 20170902181747164.jpg 20170902181753520.jpg
4	9/2/2017	18:35:56	2868	163	132	None	None	24mm2017_09_02_18_35_11.jpg 24mm2017_09_02_18_35_17.jpg 24mm2017_09_02_18_35_24.jpg 20170902183608391.jpg 20170902183614746.jpg 20170902183620194.jpg
5	9/2/2017	18:38:45	3059	351	111	20170902_183849_A.igm	None	24mm2017_09_02_18_38_01.jpg 24mm2017_09_02_18_38_07.jpg 24mm2017_09_02_18_38_13.jpg 20170902183857254.jpg 20170902183903607.jpg 20170902183909963.jpg
6	9/2/2017	18:41:52	3189	318	124	None	None	24mm2017_09_02_18_41_08.jpg 24mm2017_09_02_18_41_14.jpg 24mm2017_09_02_18_41_20.jpg 20170902184204270.jpg



2017 Hurricane Harvey Deployment ASPECT Response



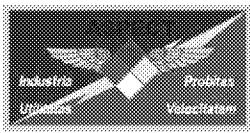
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8	9/2/2017	18:46:50	3098	260	121	None	None	24mm2017_09_02_18_46_06.jpg 24mm2017_09_02_18_46_12.jpg 24mm2017_09_02_18_46_18.jpg 24mm2017_09_02_18_46_24.jpg 24mm2017_09_02_18_46_31.jpg 20170902184702047.jpg 20170902184708403.jpg 20170902184714757.jpg 20170902184721111.jpg 20170902184727467.jpg
9	9/2/2017	18:48:58	3091	78	112	None	None	24mm2017_09_02_18_48_13.jpg 24mm2017_09_02_18_48_19.jpg 24mm2017_09_02_18_48_26.jpg 24mm2017_09_02_18_48_32.jpg 24mm2017_09_02_18_48_38.jpg 24mm2017_09_02_18_48_45.jpg 24mm2017_09_02_18_48_51.jpg 20170902184910055.jpg 20170902184916411.jpg 20170902184922765.jpg 20170902184929120.jpg 20170902184935475.jpg 20170902184941830.jpg 20170902184948186.jpg
10	9/2/2017	18:51:50	2994	318	129	None	None	24mm2017_09_02_18_51_05.jpg 24mm2017_09_02_18_51_12.jpg 24mm2017_09_02_18_51_18.jpg 24mm2017_09_02_18_51_24.jpg 24mm2017_09_02_18_51_31.jpg 20170902185202546.jpg 20170902185208902.jpg 20170902185215256.jpg 20170902185221612.jpg 20170902185227059.jpg
11	9/2/2017	18:56:10	3060	348	123	None	None	24mm2017_09_02_18_55_25.jpg 24mm2017_09_02_18_55_31.jpg 24mm2017_09_02_18_55_38.jpg 24mm2017_09_02_18_55_44.jpg



2017 Hurricane Harvey Deployment ASPECT Response



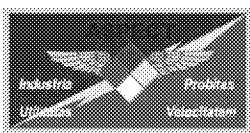
12	9/2/2017	19:01:30	3171	169	115	None	None	24mm2017_09_02_18_55_50.jpg 24mm2017_09_02_18_55_57.jpg 24mm2017_09_02_18_56_03.jpg 20170902185622193.jpg 20170902185628549.jpg 20170902185634903.jpg 20170902185641259.jpg 20170902185646705.jpg 20170902185653059.jpg 20170902185659416.jpg 24mm2017_09_02_19_00_46.jpg 24mm2017_09_02_19_00_52.jpg 24mm2017_09_02_19_00_58.jpg 24mm2017_09_02_19_01_05.jpg 24mm2017_09_02_19_01_11.jpg 24mm2017_09_02_19_01_17.jpg 20170902190142666.jpg 20170902190149021.jpg 20170902190155376.jpg 20170902190201731.jpg 20170902190208086.jpg 20170902190214441.jpg
13	9/2/2017	19:08:25	2938	334	126	20170902_190829_A.igm	None	24mm2017_09_02_19_07_40.jpg 24mm2017_09_02_19_07_47.jpg 24mm2017_09_02_19_07_53.jpg 20170902190837555.jpg 20170902190843910.jpg 20170902190850268.jpg
14	9/2/2017	19:14:38	3069	78	129	None	None	24mm2017_09_02_19_13_54.jpg 24mm2017_09_02_19_14_00.jpg 24mm2017_09_02_19_14_07.jpg 20170902191450683.jpg 20170902191457038.jpg 20170902191503394.jpg
15	9/2/2017	19:18:48	3063	336	132	20170902_191853_A.igm	None	24mm2017_09_02_19_18_04.jpg 24mm2017_09_02_19_18_10.jpg 24mm2017_09_02_19_18_16.jpg 20170902191900344.jpg 20170902191906698.jpg 20170902191913055.jpg
16	9/2/2017	19:23:19	3057	339	124	20170902_192323_A.igm	None	24mm2017_09_02_19_22_34.jpg 24mm2017_09_02_19_22_40.jpg 24mm2017_09_02_19_22_47.jpg 20170902192330885.jpg



2017 Hurricane Harvey Deployment ASPECT Response



17	9/2/2017	19:28:02	2978	333	129	20170902_192805_A.igm	None	20170902192337240.jpg 20170902192343594.jpg 24mm2017_09_02_19_27_17.jpg 24mm2017_09_02_19_27_23.jpg 24mm2017_09_02_19_27_30.jpg 20170902192814134.jpg 20170902192820490.jpg 20170902192826844.jpg
18	9/2/2017	19:37:02	2949	336	130	20170902_193705_A.igm	None	24mm2017_09_02_19_36_18.jpg 24mm2017_09_02_19_36_24.jpg 24mm2017_09_02_19_36_30.jpg 20170902193714307.jpg 20170902193720663.jpg 20170902193727017.jpg
19	9/2/2017	19:41:35	2901	337	123	20170902_194139_A.igm	None	24mm2017_09_02_19_40_51.jpg 24mm2017_09_02_19_40_57.jpg 24mm2017_09_02_19_41_03.jpg 20170902194147574.jpg 20170902194153926.jpg 20170902194200282.jpg
20	9/2/2017	19:45:47	2950	331	127	20170902_194551_A.igm	None	24mm2017_09_02_19_45_03.jpg 24mm2017_09_02_19_45_09.jpg 24mm2017_09_02_19_45_15.jpg 20170902194559955.jpg 20170902194606310.jpg 20170902194612665.jpg
21	9/2/2017	19:55:14	3073	339	125	20170902_195518_A.igm	None	24mm2017_09_02_19_54_30.jpg 24mm2017_09_02_19_54_36.jpg 24mm2017_09_02_19_54_42.jpg 20170902195526448.jpg 20170902195532803.jpg 20170902195539157.jpg
22	9/2/2017	19:59:39	3037	335	126	20170902_195943_A.igm	None	24mm2017_09_02_19_58_55.jpg 24mm2017_09_02_19_59_01.jpg 24mm2017_09_02_19_59_08.jpg 20170902195952450.jpg 20170902195957896.jpg 20170902200004251.jpg
23	9/2/2017	21:09:19	3005	337	122	20170902_210923_A.igm	None	24mm2017_09_02_21_08_34.jpg 24mm2017_09_02_21_08_41.jpg 24mm2017_09_02_21_08_47.jpg 20170902210931257.jpg 20170902210937612.jpg



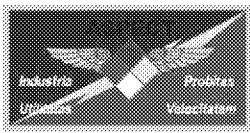
2017 Hurricane Harvey Deployment ASPECT Response



20170902210943966.jpg

Flight 11 – 3 September 2017

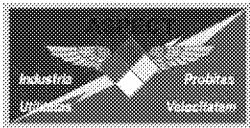
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2	9/3/2017	1:22:49	2994	68	118	None	None		24mm2017_09_03_01_22_01.jpg 24mm2017_09_03_01_22_07.jpg 24mm2017_09_03_01_22_13.jpg 20170903012302414.jpg 20170903012308769.jpg 20170903012314218.jpg
3	9/3/2017	1:26:39	2966	157	125	None	None		24mm2017_09_03_01_25_50.jpg 24mm2017_09_03_01_25_56.jpg 24mm2017_09_03_01_26_03.jpg 20170903012651194.jpg 20170903012657555.jpg 20170903012703905.jpg
4	9/3/2017	2:00:14	2917	333	118	20170903_020017_A.igm	None		24mm2017_09_03_01_59_25.jpg 24mm2017_09_03_01_59_31.jpg 24mm2017_09_03_01_59_37.jpg 24mm2017_09_03_01_59_44.jpg 20170903020025710.jpg 20170903020032064.jpg 20170903020038420.jpg 20170903020044775.jpg
5	9/3/2017	2:03:30	2924	334	116	20170903_020334_A.igm	None		24mm2017_09_03_02_02_41.jpg 24mm2017_09_03_02_02_47.jpg 24mm2017_09_03_02_02_53.jpg 20170903020341806.jpg 20170903020348161.jpg 20170903020354517.jpg
6	9/3/2017	2:12:41	2827	64	113	20170903_021245_A.igm	None		24mm2017_09_03_02_11_52.jpg 24mm2017_09_03_02_11_58.jpg 24mm2017_09_03_02_12_05.jpg 24mm2017_09_03_02_12_11.jpg 24mm2017_09_03_02_12_17.jpg 20170903021252869.jpg 20170903021259223.jpg 20170903021305578.jpg 20170903021311934.jpg



2017 Hurricane Harvey Deployment ASPECT Response



7	9/3/2017	2:17:12	2813	66	123	20170903_021716_A.igm	None	20170903021318288.jpg 24mm2017_09_03_02_16_23.jpg 24mm2017_09_03_02_16_30.jpg 24mm2017_09_03_02_16_36.jpg 20170903021725224.jpg 20170903021730670.jpg 20170903021737026.jpg
8	9/3/2017	2:21:50	2860	350	114	20170903_022154_A.igm	None	24mm2017_09_03_02_21_01.jpg 24mm2017_09_03_02_21_08.jpg 24mm2017_09_03_02_21_14.jpg 20170903022203016.jpg 20170903022209370.jpg 20170903022215725.jpg
9	9/3/2017	2:28:54	2853	7	111	20170903_022857_A.igm	None	24mm2017_09_03_02_28_05.jpg 24mm2017_09_03_02_28_11.jpg 24mm2017_09_03_02_28_18.jpg 24mm2017_09_03_02_28_24.jpg 20170903022906071.jpg 20170903022912424.jpg 20170903022918778.jpg 20170903022925137.jpg
10	9/3/2017	2:55:06	2974	8	96	20170903_025510_A.igm	None	24mm2017_09_03_02_54_17.jpg 24mm2017_09_03_02_54_23.jpg 24mm2017_09_03_02_54_29.jpg 24mm2017_09_03_02_54_36.jpg 20170903025518449.jpg 20170903025524804.jpg 20170903025531159.jpg 20170903025537514.jpg

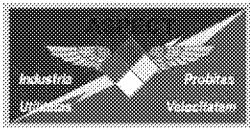


2017 Hurricane Harvey Deployment ASPECT Response



Flight 12 –

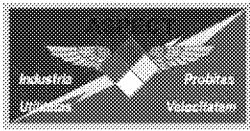
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2	9/3/2017	15:28:39	2936	1	126	20170903_152842_A.igm	None	24mm2017_09_03_15_28_39.jpg 24mm2017_09_03_15_28_46.jpg 24mm2017_09_03_15_28_52.jpg 20170903152851202.jpg 20170903152857556.jpg 20170903152903910.jpg
3	9/3/2017	15:36:12	3014	280	124	None	None	24mm2017_09_03_15_36_13.jpg 24mm2017_09_03_15_36_19.jpg 24mm2017_09_03_15_36_25.jpg 24mm2017_09_03_15_36_32.jpg 24mm2017_09_03_15_36_38.jpg 20170903153624219.jpg 20170903153630573.jpg 20170903153636930.jpg 20170903153643284.jpg 20170903153649639.jpg
4	9/3/2017	15:39:32	3055	230	122	20170903_153936_A.igm 20170903_154015_A.igm 20170903_154055_A.igm	None	24mm2017_09_03_15_39_33.jpg 24mm2017_09_03_15_39_39.jpg 24mm2017_09_03_15_39_46.jpg 24mm2017_09_03_15_39_52.jpg 24mm2017_09_03_15_39_58.jpg 24mm2017_09_03_15_40_05.jpg 24mm2017_09_03_15_40_11.jpg 24mm2017_09_03_15_40_17.jpg 24mm2017_09_03_15_40_23.jpg 24mm2017_09_03_15_40_30.jpg 24mm2017_09_03_15_40_36.jpg 24mm2017_09_03_15_40_42.jpg 24mm2017_09_03_15_40_49.jpg 20170903153944855.jpg 20170903153951212.jpg 20170903153957565.jpg 20170903154003920.jpg 20170903154010275.jpg



2017 Hurricane Harvey Deployment ASPECT Response



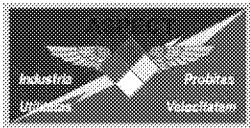
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6	9/3/2017	15:49:20	3041	88	112	None	None	24mm2017_09_03_15_49_20.jpg 24mm2017_09_03_15_49_27.jpg 24mm2017_09_03_15_49_33.jpg 20170903154932237.jpg 20170903154938591.jpg 20170903154944947.jpg 24mm2017_09_03_15_52_32.jpg 24mm2017_09_03_15_52_38.jpg 24mm2017_09_03_15_52_45.jpg 20170903155243794.jpg 20170903155250149.jpg 20170903155256504.jpg
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8	9/3/2017	15:55:33	3204	98	105	None	None	24mm2017_09_03_15_55_33.jpg 24mm2017_09_03_15_55_40.jpg 24mm2017_09_03_15_55_46.jpg 24mm2017_09_03_15_55_52.jpg 24mm2017_09_03_15_55_59.jpg 20170903155545365.jpg 20170903155551720.jpg 20170903155558075.jpg 20170903155604430.jpg 20170903155609876.jpg 24mm2017_09_03_15_58_43.jpg 24mm2017_09_03_15_58_49.jpg
9	9/3/2017	15:58:42	3180	165	115	None	None	24mm2017_09_03_15_58_43.jpg 24mm2017_09_03_15_58_49.jpg



2017 Hurricane Harvey Deployment ASPECT Response



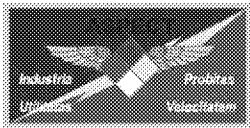
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2017 Hurricane Harvey Deployment ASPECT Response



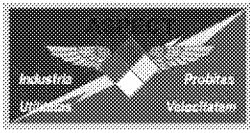
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2017 Hurricane Harvey Deployment ASPECT Response



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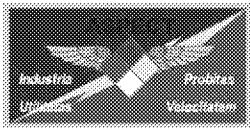


2017 Hurricane Harvey Deployment ASPECT Response



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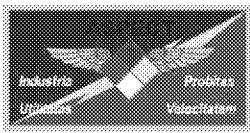
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2017 Hurricane Harvey Deployment ASPECT Response



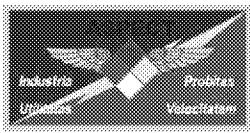
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2017 Hurricane Harvey Deployment ASPECT Response



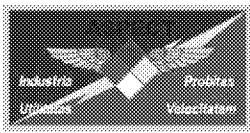
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2017 Hurricane Harvey Deployment ASPECT Response



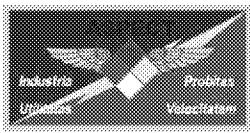
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2017 Hurricane Harvey Deployment ASPECT Response



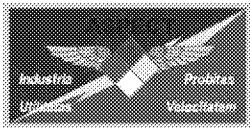
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2017 Hurricane Harvey Deployment ASPECT Response



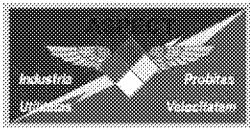
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50	9/3/2017	18:17:31	3013	43	120	20170903_181735_A.igm	None	24mm2017_09_03_18_17_31.jpg 24mm2017_09_03_18_17_38.jpg 24mm2017_09_03_18_17_44.jpg 24mm2017_09_03_18_17_50.jpg 20170903181743687.jpg 20170903181750042.jpg 20170903181755490.jpg 20170903181801846.jpg
51	9/3/2017	18:21:53	2807	87	122	20170903_182158_A.igm	None	24mm2017_09_03_18_21_54.jpg 24mm2017_09_03_18_22_00.jpg 24mm2017_09_03_18_22_06.jpg 20170903182206048.jpg



2017 Hurricane Harvey Deployment ASPECT Response



52	9/3/2017	18:24:26	2871	160	114	20170903_182429_A.igm	None	20170903182212403.jpg 20170903182218759.jpg 24mm2017_09_03_18_24_27.jpg 24mm2017_09_03_18_24_33.jpg 20170903182438562.jpg 20170903182444917.jpg
53	9/3/2017	18:27:12	3110	351	112	20170903_182716_A.igm	None	24mm2017_09_03_18_27_13.jpg 24mm2017_09_03_18_27_19.jpg 20170903182724692.jpg 20170903182731048.jpg
54	9/3/2017	18:29:43	3197	173	116	20170903_182947_A.igm	None	24mm2017_09_03_18_29_43.jpg 24mm2017_09_03_18_29_50.jpg 20170903182955395.jpg 20170903183001751.jpg
55	9/3/2017	18:43:37	2888	44	115	20170903_184341_A.igm	None	24mm2017_09_03_18_43_37.jpg 24mm2017_09_03_18_43_44.jpg 24mm2017_09_03_18_43_50.jpg 24mm2017_09_03_18_43_56.jpg 24mm2017_09_03_18_44_03.jpg 20170903184348806.jpg 20170903184355161.jpg 20170903184401516.jpg 20170903184407872.jpg 20170903184414226.jpg
56	9/3/2017	18:47:40	2957	-3	122	20170903_184744_A.igm 20170903_184823_A.igm	None	24mm2017_09_03_18_47_40.jpg 24mm2017_09_03_18_47_47.jpg 24mm2017_09_03_18_47_53.jpg 24mm2017_09_03_18_47_59.jpg 24mm2017_09_03_18_48_06.jpg 24mm2017_09_03_18_48_12.jpg 24mm2017_09_03_18_48_18.jpg 20170903184752111.jpg 20170903184758466.jpg 20170903184804821.jpg 20170903184811178.jpg 20170903184817530.jpg 20170903184823887.jpg 20170903184830241.jpg
57	9/3/2017	18:52:14	2952	0	121	20170903_185218_A.igm	None	24mm2017_09_03_18_52_15.jpg 24mm2017_09_03_18_52_21.jpg 24mm2017_09_03_18_52_27.jpg 24mm2017_09_03_18_52_33.jpg 20170903185226283.jpg 20170903185232638.jpg



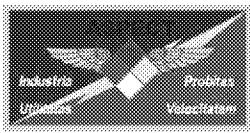
2017 Hurricane Harvey Deployment ASPECT Response



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20170903185245349.jpg

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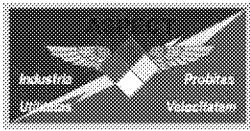


2017 Hurricane Harvey Deployment ASPECT Response



Flight 13 –

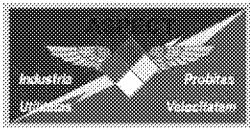
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2	9/3/2017	20:53:54	4892	342	120	20170903_205358_A.igm	None	24mm2017_09_03_20_53_57.jpg 24mm2017_09_03_20_54_03.jpg 24mm2017_09_03_20_54_10.jpg 20170903205406594.jpg 20170903205412948.jpg 20170903205418395.jpg
3	9/3/2017	20:57:19	5247	343	126	20170903_205724_A.igm	None	24mm2017_09_03_20_57_23.jpg 24mm2017_09_03_20_57_29.jpg 24mm2017_09_03_20_57_35.jpg 20170903205731769.jpg 20170903205738124.jpg 20170903205744479.jpg
4	9/3/2017	21:01:02	5282	342	127	20170903_210105_A.igm	None	24mm2017_09_03_21_01_05.jpg 24mm2017_09_03_21_01_11.jpg 24mm2017_09_03_21_01_18.jpg 20170903210114195.jpg 20170903210120549.jpg 20170903210126903.jpg
5	9/3/2017	21:04:20	5133	344	129	20170903_210425_A.igm	None	24mm2017_09_03_21_04_24.jpg 24mm2017_09_03_21_04_30.jpg 24mm2017_09_03_21_04_36.jpg 24mm2017_09_03_21_04_43.jpg 20170903210433015.jpg 20170903210439369.jpg 20170903210445723.jpg 20170903210452079.jpg
6	9/3/2017	21:07:50	5206	343	120	20170903_210753_A.igm	None	24mm2017_09_03_21_07_53.jpg 24mm2017_09_03_21_07_59.jpg 24mm2017_09_03_21_08_06.jpg 20170903210802728.jpg 20170903210809082.jpg 20170903210814530.jpg
7	9/3/2017	21:14:54	4993	345	119	20170903_211458_A.igm	None	24mm2017_09_03_21_14_57.jpg 24mm2017_09_03_21_15_04.jpg 24mm2017_09_03_21_15_10.jpg



2017 Hurricane Harvey Deployment ASPECT Response



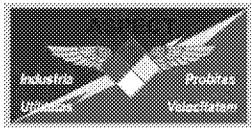
8	9/3/2017	21:22:21	3013	342	123	20170903_212225_A.igm	None	24mm2017_09_03_21_15_16.jpg 24mm2017_09_03_21_15_23.jpg 20170903211506695.jpg 20170903211513051.jpg 20170903211519405.jpg 20170903211525761.jpg 20170903211532115.jpg 24mm2017_09_03_21_22_25.jpg 24mm2017_09_03_21_22_31.jpg 24mm2017_09_03_21_22_37.jpg 20170903212233360.jpg 20170903212239716.jpg 20170903212246070.jpg 24mm2017_09_03_21_33_04.jpg 24mm2017_09_03_21_33_11.jpg 24mm2017_09_03_21_33_17.jpg 20170903213313379.jpg 20170903213319734.jpg 20170903213326088.jpg 24mm2017_09_03_21_35_44.jpg 24mm2017_09_03_21_35_51.jpg 24mm2017_09_03_21_35_57.jpg 24mm2017_09_03_21_36_03.jpg 20170903213554063.jpg 20170903213600417.jpg 20170903213605864.jpg 20170903213612221.jpg 24mm2017_09_03_21_48_35.jpg 24mm2017_09_03_21_48_41.jpg 24mm2017_09_03_21_48_47.jpg 20170903214843919.jpg 20170903214850274.jpg 20170903214856630.jpg 24mm2017_09_03_21_53_48.jpg 24mm2017_09_03_21_53_54.jpg 24mm2017_09_03_21_54_00.jpg 24mm2017_09_03_21_54_07.jpg 20170903215357130.jpg 20170903215403484.jpg 20170903215409839.jpg 20170903215416194.jpg 24mm2017_09_03_21_57_52.jpg 24mm2017_09_03_21_57_58.jpg 24mm2017_09_03_21_58_04.jpg
9	9/3/2017	21:33:01	3144	336	136	20170903_213305_A.igm	None	
10	9/3/2017	21:35:41	3203	161	113	20170903_213546_A.igm	None	
11	9/3/2017	21:48:31	3004	1	115	20170903_214836_A.igm	None	
12	9/3/2017	21:53:45	3124	0	110	20170903_215348_A.igm	None	
13	9/3/2017	21:57:49	2932	1	114	20170903_215752_A.igm	None	



2017 Hurricane Harvey Deployment ASPECT Response



14	9/3/2017	22:05:44	3126	4	110	20170903_220548_A.igm	None	20170903215801341.jpg 20170903215807696.jpg 20170903215814052.jpg 24mm2017_09_03_22_05_47.jpg 24mm2017_09_03_22_05_53.jpg 24mm2017_09_03_22_06_00.jpg 24mm2017_09_03_22_06_06.jpg 24mm2017_09_03_22_06_12.jpg 20170903220556127.jpg 20170903220602483.jpg 20170903220608837.jpg 20170903220615194.jpg 20170903220621548.jpg
15	9/3/2017	22:10:23	3105	3	112	20170903_221028_A.igm	None	24mm2017_09_03_22_10_27.jpg 24mm2017_09_03_22_10_33.jpg 24mm2017_09_03_22_10_39.jpg 24mm2017_09_03_22_10_46.jpg 24mm2017_09_03_22_10_52.jpg 20170903221035747.jpg 20170903221042102.jpg 20170903221048457.jpg 20170903221054813.jpg 20170903221101167.jpg
16	9/3/2017	22:23:12	3008	2	102	20170903_222316_A.igm	None	24mm2017_09_03_22_23_15.jpg 24mm2017_09_03_22_23_22.jpg 24mm2017_09_03_22_23_28.jpg 24mm2017_09_03_22_23_34.jpg 24mm2017_09_03_22_23_41.jpg 24mm2017_09_03_22_23_47.jpg 20170903222324699.jpg 20170903222331054.jpg 20170903222337409.jpg 20170903222343764.jpg 20170903222350119.jpg 20170903222356474.jpg
17	9/3/2017	22:29:23	3065	3	111	20170903_222927_A.igm	None	24mm2017_09_03_22_29_26.jpg 24mm2017_09_03_22_29_32.jpg 24mm2017_09_03_22_29_38.jpg 24mm2017_09_03_22_29_45.jpg 24mm2017_09_03_22_29_51.jpg 24mm2017_09_03_22_29_57.jpg 20170903222935105.jpg 20170903222941459.jpg 20170903222947814.jpg



2017 Hurricane Harvey Deployment ASPECT Response

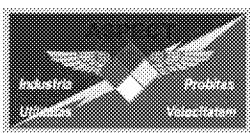


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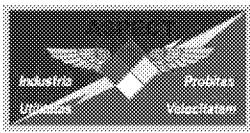


2017 Hurricane Harvey Deployment ASPECT Response



Flight 14 –

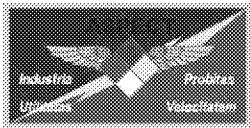
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2	9/4/2017	14:42:00	2846	354	125	20170904_144203_A.igm	None	24mm2017_09_04_14_41_40.jpg 24mm2017_09_04_14_41_47.jpg 20170904144211719.jpg 20170904144218073.jpg
3	9/4/2017	14:44:32	2778	93	116	20170904_144435_A.igm	None	24mm2017_09_04_14_44_13.jpg 24mm2017_09_04_14_44_19.jpg 20170904144444238.jpg 20170904144450593.jpg
4	9/4/2017	14:46:02	2787	83	111	20170904_144605_A.igm	None	24mm2017_09_04_14_45_43.jpg 24mm2017_09_04_14_45_49.jpg 24mm2017_09_04_14_45_55.jpg 20170904144614116.jpg 20170904144620471.jpg 20170904144626826.jpg
5	9/4/2017	14:51:44	3052	85	111	20170904_145149_A.igm	None	24mm2017_09_04_14_51_25.jpg 24mm2017_09_04_14_51_31.jpg 24mm2017_09_04_14_51_38.jpg 20170904145156376.jpg 20170904145202731.jpg 20170904145209086.jpg
6	9/4/2017	14:53:50	3085	78	117	20170904_145354_A.igm	None	24mm2017_09_04_14_53_31.jpg 24mm2017_09_04_14_53_37.jpg 24mm2017_09_04_14_53_44.jpg 20170904145402570.jpg 20170904145408923.jpg 20170904145415279.jpg
7	9/4/2017	14:57:18	3029	180	114	20170904_145722_A.igm	None	24mm2017_09_04_14_56_59.jpg 24mm2017_09_04_14_57_06.jpg 24mm2017_09_04_14_57_12.jpg 24mm2017_09_04_14_57_18.jpg 20170904145731376.jpg 20170904145736823.jpg 20170904145743178.jpg 20170904145749532.jpg
8	9/4/2017	15:00:09	2916	-1	124	20170904_150013_A.igm	None	24mm2017_09_04_14_59_50.jpg 24mm2017_09_04_14_59_56.jpg 20170904150021143.jpg



2017 Hurricane Harvey Deployment ASPECT Response



9	9/4/2017	15:05:02	3104	141	113	20170904_150506_A.igm	None	20170904150027499.jpg 24mm2017_09_04_15_04_43.jpg 24mm2017_09_04_15_04_49.jpg 24mm2017_09_04_15_04_55.jpg 24mm2017_09_04_15_05_02.jpg 24mm2017_09_04_15_05_08.jpg 24mm2017_09_04_15_05_14.jpg 24mm2017_09_04_15_05_21.jpg 24mm2017_09_04_15_05_27.jpg 24mm2017_09_04_15_05_33.jpg 24mm2017_09_04_15_05_39.jpg 24mm2017_09_04_15_05_46.jpg 24mm2017_09_04_15_05_52.jpg 20170904150514382.jpg 20170904150520736.jpg 20170904150527091.jpg 20170904150533445.jpg 20170904150539802.jpg 20170904150546156.jpg 20170904150552512.jpg 20170904150558866.jpg 20170904150604312.jpg 20170904150610668.jpg 20170904150617023.jpg 20170904150623378.jpg
10	9/4/2017	15:16:21	3013	337	128	20170904_151625_A.igm	None	24mm2017_09_04_15_16_02.jpg 24mm2017_09_04_15_16_08.jpg 24mm2017_09_04_15_16_14.jpg 20170904151633457.jpg 20170904151639812.jpg 20170904151646166.jpg
11	9/4/2017	15:18:56	2940	175	113	20170904_151859_A.igm	None	24mm2017_09_04_15_18_37.jpg 24mm2017_09_04_15_18_43.jpg 24mm2017_09_04_15_18_49.jpg 20170904151908699.jpg 20170904151915055.jpg 20170904151921409.jpg
12	9/4/2017	15:26:08	3207	161	111	20170904_152612_A.igm	None	24mm2017_09_04_15_25_49.jpg 24mm2017_09_04_15_25_55.jpg 24mm2017_09_04_15_26_01.jpg 24mm2017_09_04_15_26_07.jpg 20170904152619930.jpg 20170904152626285.jpg 20170904152632640.jpg

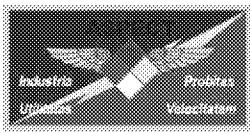


2017 Hurricane Harvey Deployment
ASPECT Response



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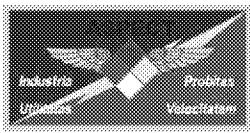


2017 Hurricane Harvey Deployment ASPECT Response



Flight 15 –

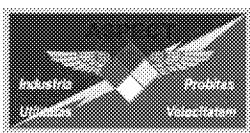
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2	9/4/2017	18:04:59	2835	95	115	20170904_180503_A.igm 20170904_180542_A.igm	None	24mm2017_09_04_18_04_48.jpg 24mm2017_09_04_18_04_54.jpg 24mm2017_09_04_18_05_01.jpg 24mm2017_09_04_18_05_07.jpg 24mm2017_09_04_18_05_13.jpg 24mm2017_09_04_18_05_20.jpg 24mm2017_09_04_18_05_26.jpg 24mm2017_09_04_18_05_32.jpg 24mm2017_09_04_18_05_38.jpg 24mm2017_09_04_18_05_45.jpg 20170904180512182.jpg 20170904180517629.jpg 20170904180523984.jpg 20170904180530339.jpg 20170904180536693.jpg 20170904180543050.jpg 20170904180549404.jpg 20170904180555759.jpg 20170904180602114.jpg 20170904180608470.jpg
3	9/4/2017	18:11:50	2674	116	121	20170904_181154_A.igm	None	24mm2017_09_04_18_11_39.jpg 24mm2017_09_04_18_11_45.jpg 20170904181202528.jpg 20170904181208883.jpg
4	9/4/2017	18:14:18	2793	216	122	20170904_181423_A.igm	None	24mm2017_09_04_18_14_07.jpg 24mm2017_09_04_18_14_13.jpg 24mm2017_09_04_18_14_19.jpg 20170904181430508.jpg 20170904181436863.jpg 20170904181443218.jpg
5	9/4/2017	18:17:10	2675	83	125	20170904_181714_A.igm	None	24mm2017_09_04_18_16_59.jpg



2017 Hurricane Harvey Deployment ASPECT Response



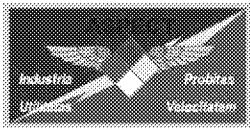
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7	9/4/2017	18:23:04	2041	65	127	20170904_182307_A.igm	None	24mm2017_09_04_18_22_52.jpg 24mm2017_09_04_18_22_58.jpg 20170904182316155.jpg 20170904182321602.jpg
8	9/4/2017	18:31:07	2691	54	134	20170904_183111_A.igm	None	24mm2017_09_04_18_30_56.jpg 24mm2017_09_04_18_31_03.jpg 24mm2017_09_04_18_31_09.jpg 24mm2017_09_04_18_31_15.jpg 24mm2017_09_04_18_31_21.jpg 20170904183120044.jpg 20170904183126397.jpg 20170904183132751.jpg 20170904183139108.jpg 20170904183145462.jpg
9	9/4/2017	18:34:25	2568	82	122	20170904_183428_A.igm	None	24mm2017_09_04_18_34_14.jpg 20170904183437046.jpg
10	9/4/2017	18:36:45	2619	252	126	20170904_183648_A.igm	None	24mm2017_09_04_18_36_33.jpg 20170904183656852.jpg
11	9/4/2017	18:39:41	2616	342	133	20170904_183945_A.igm	None	24mm2017_09_04_18_39_30.jpg 24mm2017_09_04_18_39_36.jpg 20170904183953882.jpg 20170904184000236.jpg
12	9/4/2017	18:46:09	2885	67	133	20170904_184613_A.igm	None	24mm2017_09_04_18_45_58.jpg 24mm2017_09_04_18_46_04.jpg 24mm2017_09_04_18_46_11.jpg 20170904184621531.jpg 20170904184627885.jpg 20170904184634241.jpg
13	9/4/2017	18:49:03	2478	150	130	20170904_184907_A.igm	None	24mm2017_09_04_18_48_52.jpg 24mm2017_09_04_18_48_58.jpg 24mm2017_09_04_18_49_04.jpg 24mm2017_09_04_18_49_11.jpg 20170904184915838.jpg



2017 Hurricane Harvey Deployment ASPECT Response



14	9/4/2017	18:53:23	2863	177	133	20170904_185327_A.igm	None	20170904184922193.jpg 20170904184928549.jpg 20170904184934905.jpg 24mm2017_09_04_18_53_12.jpg 24mm2017_09_04_18_53_18.jpg 24mm2017_09_04_18_53_24.jpg 20170904185335482.jpg 20170904185341836.jpg 20170904185348191.jpg
15	9/4/2017	18:58:02	2801	50	130	20170904_185806_A.igm	None	24mm2017_09_04_18_57_51.jpg 24mm2017_09_04_18_57_57.jpg 24mm2017_09_04_18_58_04.jpg 20170904185815100.jpg 20170904185821455.jpg 20170904185827812.jpg
16	9/4/2017	19:03:29	2461	319	141	20170904_190333_A.igm	None	24mm2017_09_04_19_03_18.jpg 24mm2017_09_04_19_03_24.jpg 24mm2017_09_04_19_03_30.jpg 20170904190341927.jpg 20170904190348283.jpg 20170904190354638.jpg
17	9/4/2017	19:07:06	2133	115	128	20170904_190710_A.igm	None	24mm2017_09_04_19_06_54.jpg 24mm2017_09_04_19_07_01.jpg 24mm2017_09_04_19_07_07.jpg 20170904190717997.jpg 20170904190724352.jpg 20170904190730707.jpg
18	9/4/2017	19:10:31	2449	234	131	20170904_191035_A.igm	None	24mm2017_09_04_19_10_20.jpg 24mm2017_09_04_19_10_27.jpg 20170904191044082.jpg 20170904191050440.jpg
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2017 Hurricane Harvey Deployment ASPECT Response



22	9/4/2017	19:26:00	2381	23	126	20170904_192603_A.igm	None	20170904192418402.jpg 24mm2017_09_04_19_25_49.jpg 24mm2017_09_04_19_25_55.jpg 24mm2017_09_04_19_26_02.jpg 24mm2017_09_04_19_26_08.jpg 20170904192612785.jpg 20170904192619140.jpg 20170904192625497.jpg 20170904192631850.jpg
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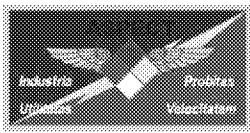
2017 Hurricane Harvey Deployment ASPECT Response



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Pre-decisional Do Not Cite or Quote

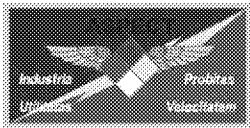
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2017 Hurricane Harvey Deployment ASPECT Response



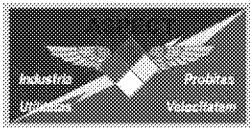
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2017 Hurricane Harvey Deployment ASPECT Response



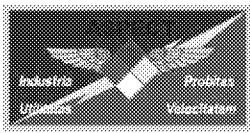
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2017 Hurricane Harvey Deployment
ASPECT Response



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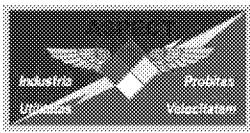
2017 Hurricane Harvey Deployment ASPECT Response



Flight 16 – No data

Flight 17 –

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6	9/5/2017	18:53:13	2997	50	113	20170905_185324_A.igm	None	24mm2017_09_05_18_52_43.jpg 24mm2017_09_05_18_52_49.jpg 24mm2017_09_05_18_52_55.jpg 20170905185325572.jpg 20170905185331920.jpg 20170905185338269.jpg
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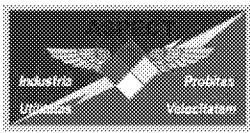
2017 Hurricane Harvey Deployment ASPECT Response



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12	9/5/2017	19:11:12	3058	53	113	20170905_191123_A.igm	None	24mm2017_09_05_19_10_42.jpg 24mm2017_09_05_19_10_48.jpg 20170905191124068.jpg 20170905191130417.jpg
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14	9/5/2017	19:20:56	2960	45	116	20170905_192107_A.igm	None	24mm2017_09_05_19_20_26.jpg 24mm2017_09_05_19_20_32.jpg 24mm2017_09_05_19_20_38.jpg 24mm2017_09_05_19_20_45.jpg 24mm2017_09_05_19_20_51.jpg 24mm2017_09_05_19_20_57.jpg 20170905192108708.jpg 20170905192115057.jpg 20170905192121421.jpg 20170905192127770.jpg 20170905192133214.jpg 20170905192139578.jpg
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Pre-decisional Do Not Cite or Quote

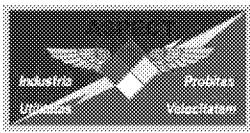
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2017 Hurricane Harvey Deployment ASPECT Response



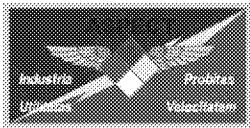
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2017 Hurricane Harvey Deployment ASPECT Response



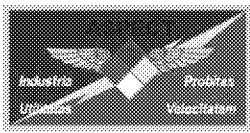
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2017 Hurricane Harvey Deployment ASPECT Response



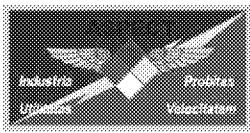
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2017 Hurricane Harvey Deployment ASPECT Response



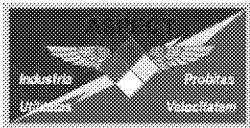
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2017 Hurricane Harvey Deployment ASPECT Response



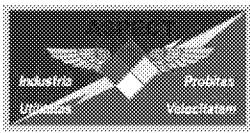
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2017 Hurricane Harvey Deployment ASPECT Response



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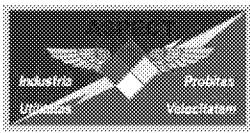


2017 Hurricane Harvey Deployment ASPECT Response



Flight 18 –

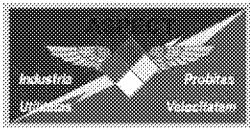
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2	9/6/2017	14:01:17	2760	89	89	20170906_140128_A.igm	None	24mm2017_09_06_14_00_46.jpg 24mm2017_09_06_14_00_52.jpg 24mm2017_09_06_14_00_58.jpg 20170906140129148.jpg 20170906140135512.jpg 20170906140141861.jpg
3	9/6/2017	14:03:41	2797	345	102	20170906_140353_A.igm	None	24mm2017_09_06_14_03_10.jpg 24mm2017_09_06_14_03_16.jpg 24mm2017_09_06_14_03_23.jpg 24mm2017_09_06_14_03_29.jpg 24mm2017_09_06_14_03_35.jpg 24mm2017_09_06_14_03_41.jpg 20170906140353499.jpg 20170906140359848.jpg 20170906140406212.jpg 20170906140412561.jpg 20170906140418910.jpg 20170906140425274.jpg
4	9/6/2017	14:10:28	2781	194	139	20170906_141039_A.igm	None	24mm2017_09_06_14_09_57.jpg 24mm2017_09_06_14_10_03.jpg 24mm2017_09_06_14_10_09.jpg 20170906141040208.jpg 20170906141046556.jpg 20170906141052921.jpg
5	9/6/2017	14:14:55	2861	101	96	20170906_141506_A.igm	None	24mm2017_09_06_14_14_24.jpg 24mm2017_09_06_14_14_30.jpg 24mm2017_09_06_14_14_36.jpg 24mm2017_09_06_14_14_43.jpg 24mm2017_09_06_14_14_49.jpg 20170906141507103.jpg 20170906141513467.jpg 20170906141519816.jpg 20170906141526180.jpg



2017 Hurricane Harvey Deployment ASPECT Response



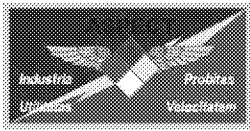
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7	9/6/2017	14:23:28	2810	274	138	20170906_142339_A.igm	None	24mm2017_09_06_14_22_57.jpg 24mm2017_09_06_14_23_03.jpg 24mm2017_09_06_14_23_09.jpg 24mm2017_09_06_14_23_16.jpg 24mm2017_09_06_14_23_22.jpg 20170906142340039.jpg 20170906142346388.jpg 20170906142352753.jpg 20170906142359101.jpg 20170906142405450.jpg
8	9/6/2017	14:26:56	2877	97	100	20170906_142708_A.igm	None	24mm2017_09_06_14_26_25.jpg 24mm2017_09_06_14_26_32.jpg 24mm2017_09_06_14_26_38.jpg 24mm2017_09_06_14_26_44.jpg 24mm2017_09_06_14_26_50.jpg 24mm2017_09_06_14_26_57.jpg 24mm2017_09_06_14_27_03.jpg 24mm2017_09_06_14_27_09.jpg 20170906142708846.jpg 20170906142715195.jpg 20170906142721543.jpg 20170906142727908.jpg 20170906142734256.jpg 20170906142740605.jpg 20170906142746969.jpg 20170906142752413.jpg
9	9/6/2017	14:31:28	2852	271	142	20170906_143139_A.igm	None	24mm2017_09_06_14_30_57.jpg 24mm2017_09_06_14_31_03.jpg 24mm2017_09_06_14_31_09.jpg



2017 Hurricane Harvey Deployment ASPECT Response



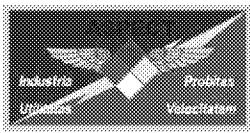
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12	9/6/2017	14:48:03	2940	351	109	20170906_144815_A.igm	None	24mm2017_09_06_14_47_32.jpg 24mm2017_09_06_14_47_39.jpg 24mm2017_09_06_14_47_45.jpg 24mm2017_09_06_14_47_51.jpg 20170906144816173.jpg 20170906144821617.jpg 20170906144827981.jpg 20170906144834330.jpg
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2017 Hurricane Harvey Deployment ASPECT Response



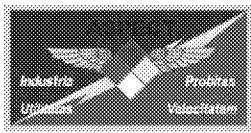
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2017 Hurricane Harvey Deployment ASPECT Response



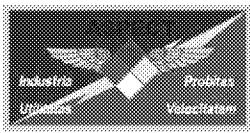
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20	9/6/2017	15:19:38	3017	0	110	20170906_151949_A.igm	None	24mm2017_09_06_15_19_07.jpg 24mm2017_09_06_15_19_13.jpg 20170906151949917.jpg 20170906151956266.jpg
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2017 Hurricane Harvey Deployment ASPECT Response



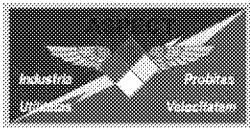
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2017 Hurricane Harvey Deployment ASPECT Response



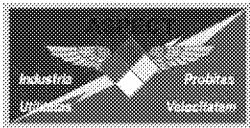
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33	9/6/2017	16:00:33	2981	64	97	20170906_160045_A.igm	None	24mm2017_09_06_16_00_02.jpg 24mm2017_09_06_16_00_08.jpg 24mm2017_09_06_16_00_15.jpg 24mm2017_09_06_16_00_21.jpg 20170906160045609.jpg 20170906160051974.jpg 20170906160058322.jpg 20170906160104671.jpg
34	9/6/2017	16:03:42	2962	114	112	20170906_160354_A.igm	None	24mm2017_09_06_16_03_11.jpg 24mm2017_09_06_16_03_18.jpg 24mm2017_09_06_16_03_24.jpg 24mm2017_09_06_16_03_30.jpg 24mm2017_09_06_16_03_36.jpg 20170906160354448.jpg 20170906160400798.jpg 20170906160407147.jpg 20170906160413511.jpg 20170906160419860.jpg
35	9/6/2017	16:06:43	2993	236	139	20170906_160655_A.igm	None	24mm2017_09_06_16_06_12.jpg 24mm2017_09_06_16_06_19.jpg 24mm2017_09_06_16_06_25.jpg 20170906160656004.jpg 20170906160702368.jpg 20170906160708717.jpg
36	9/6/2017	16:10:15	2998	74	102	20170906_161026_A.igm	None	24mm2017_09_06_16_09_44.jpg



2017 Hurricane Harvey Deployment ASPECT Response



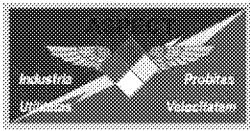
37	9/6/2017	16:13:10	2981	191	136	20170906_161321_A.igm	None	24mm2017_09_06_16_09_50.jpg 24mm2017_09_06_16_09_57.jpg 24mm2017_09_06_16_10_03.jpg 20170906161027539.jpg 20170906161033888.jpg 20170906161040237.jpg 20170906161046601.jpg
38	9/6/2017	16:16:06	2976	338	116	20170906_161618_A.igm	None	24mm2017_09_06_16_12_39.jpg 24mm2017_09_06_16_12_45.jpg 20170906161321840.jpg 20170906161328189.jpg
39	9/6/2017	16:19:40	2991	335	114	20170906_161952_A.igm	None	24mm2017_09_06_16_15_36.jpg 24mm2017_09_06_16_15_42.jpg 24mm2017_09_06_16_15_48.jpg 24mm2017_09_06_16_15_54.jpg 20170906161618871.jpg 20170906161625220.jpg 20170906161631568.jpg 20170906161637933.jpg
40	9/6/2017	16:22:31	2975	168	139	20170906_162242_A.igm	None	24mm2017_09_06_16_19_09.jpg 24mm2017_09_06_16_19_16.jpg 24mm2017_09_06_16_19_22.jpg 24mm2017_09_06_16_19_28.jpg 24mm2017_09_06_16_19_34.jpg 24mm2017_09_06_16_19_41.jpg 20170906161952200.jpg 20170906161958565.jpg 20170906162004913.jpg 20170906162011278.jpg 20170906162017626.jpg 20170906162023975.jpg
41	9/6/2017	16:25:59	2977	84	107	20170906_162610_A.igm	None	24mm2017_09_06_16_22_00.jpg 24mm2017_09_06_16_22_06.jpg 24mm2017_09_06_16_22_12.jpg 20170906162242882.jpg 20170906162249231.jpg 20170906162255595.jpg
								24mm2017_09_06_16_25_28.jpg 24mm2017_09_06_16_25_35.jpg 24mm2017_09_06_16_25_41.jpg 24mm2017_09_06_16_25_47.jpg 24mm2017_09_06_16_25_54.jpg 24mm2017_09_06_16_26_00.jpg 20170906162611688.jpg



2017 Hurricane Harvey Deployment ASPECT Response



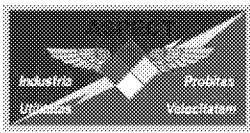
42	9/6/2017	16:29:29	2904	24	99	20170906_162941_A.igm	None	20170906162618037.jpg 20170906162624385.jpg 20170906162630750.jpg 20170906162637098.jpg 20170906162643448.jpg 24mm2017_09_06_16_28_58.jpg 24mm2017_09_06_16_29_04.jpg 24mm2017_09_06_16_29_11.jpg 24mm2017_09_06_16_29_17.jpg 24mm2017_09_06_16_29_23.jpg 20170906162941399.jpg 20170906162947748.jpg 20170906162954097.jpg 20170906163000461.jpg 20170906163006810.jpg
43	9/6/2017	16:32:20	2906	216	148	20170906_163231_A.igm	None	24mm2017_09_06_16_31_49.jpg 24mm2017_09_06_16_31_55.jpg 24mm2017_09_06_16_32_01.jpg 20170906163232066.jpg 20170906163238414.jpg 20170906163244779.jpg 24mm2017_09_06_16_35_28.jpg 24mm2017_09_06_16_35_35.jpg 24mm2017_09_06_16_35_41.jpg 24mm2017_09_06_16_35_47.jpg 24mm2017_09_06_16_35_53.jpg 24mm2017_09_06_16_36_00.jpg 24mm2017_09_06_16_36_06.jpg 20170906163611759.jpg 20170906163618108.jpg 20170906163624472.jpg 20170906163630821.jpg 20170906163637185.jpg 20170906163643534.jpg 20170906163648978.jpg 24mm2017_09_06_16_38_46.jpg 24mm2017_09_06_16_38_52.jpg 24mm2017_09_06_16_38_59.jpg 20170906163929662.jpg 20170906163936026.jpg 20170906163942375.jpg
44	9/6/2017	16:35:59	3069	62	100	20170906_163610_A.igm	None	24mm2017_09_06_16_35_28.jpg 24mm2017_09_06_16_35_35.jpg 24mm2017_09_06_16_35_41.jpg 24mm2017_09_06_16_35_47.jpg 24mm2017_09_06_16_35_53.jpg 24mm2017_09_06_16_36_00.jpg 24mm2017_09_06_16_36_06.jpg 20170906163611759.jpg 20170906163618108.jpg 20170906163624472.jpg 20170906163630821.jpg 20170906163637185.jpg 20170906163643534.jpg 20170906163648978.jpg 24mm2017_09_06_16_38_46.jpg 24mm2017_09_06_16_38_52.jpg 24mm2017_09_06_16_38_59.jpg 20170906163929662.jpg 20170906163936026.jpg 20170906163942375.jpg
45	9/6/2017	16:39:17	2796	161	146	20170906_163928_A.igm	None	24mm2017_09_06_16_38_46.jpg 24mm2017_09_06_16_38_52.jpg 24mm2017_09_06_16_38_59.jpg 20170906163929662.jpg 20170906163936026.jpg 20170906163942375.jpg 24mm2017_09_06_16_43_17.jpg 24mm2017_09_06_16_43_23.jpg 24mm2017_09_06_16_43_29.jpg
46	9/6/2017	16:43:48	3003	0	103	20170906_164359_A.igm	None	24mm2017_09_06_16_43_17.jpg 24mm2017_09_06_16_43_23.jpg 24mm2017_09_06_16_43_29.jpg



2017 Hurricane Harvey Deployment ASPECT Response



47	9/6/2017	16:48:07	2856	217	154	20170906_164819_A.igm	None	24mm2017_09_06_16_43_36.jpg 24mm2017_09_06_16_43_42.jpg 24mm2017_09_06_16_43_48.jpg 24mm2017_09_06_16_43_55.jpg 24mm2017_09_06_16_44_01.jpg 20170906164400208.jpg 20170906164406556.jpg 20170906164412921.jpg 20170906164419269.jpg 20170906164425618.jpg 20170906164431982.jpg 20170906164438331.jpg 20170906164444680.jpg
48	9/6/2017	16:51:34	2979	78	108	20170906_165145_A.igm	None	24mm2017_09_06_16_47_36.jpg 24mm2017_09_06_16_47_42.jpg 20170906164818930.jpg 20170906164825295.jpg 24mm2017_09_06_16_51_03.jpg 24mm2017_09_06_16_51_09.jpg 24mm2017_09_06_16_51_16.jpg 24mm2017_09_06_16_51_22.jpg 24mm2017_09_06_16_51_28.jpg 24mm2017_09_06_16_51_35.jpg 24mm2017_09_06_16_51_41.jpg 20170906165146831.jpg 20170906165153180.jpg 20170906165158639.jpg 20170906165204988.jpg 20170906165211337.jpg 20170906165217701.jpg 20170906165224050.jpg 24mm2017_09_06_16_54_56.jpg 24mm2017_09_06_16_55_02.jpg 20170906165539238.jpg 20170906165545602.jpg
49	9/6/2017	16:55:27	2957	278	137	20170906_165539_A.igm	None	

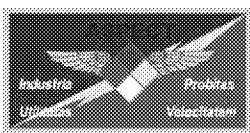


2017 Hurricane Harvey Deployment ASPECT Response



Flight 19 –

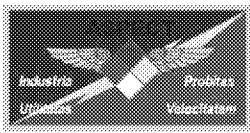
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2	9/6/2017	19:16:54	2885	81	116	20170906_191658_A.igm	None	24mm2017_09_06_19_17_04.jpg 24mm2017_09_06_19_17_11.jpg 20170906191706541.jpg 20170906191712895.jpg
3	9/6/2017	19:19:43	2727	294	133	20170906_191947_A.igm	None	24mm2017_09_06_19_19_53.jpg 20170906191955401.jpg
4	9/6/2017	19:23:15	2912	53	107	20170906_192319_A.igm	None	24mm2017_09_06_19_23_25.jpg 24mm2017_09_06_19_23_32.jpg 24mm2017_09_06_19_23_38.jpg 24mm2017_09_06_19_23_44.jpg 24mm2017_09_06_19_23_51.jpg 20170906192327840.jpg 20170906192334196.jpg 20170906192340550.jpg 20170906192346905.jpg 20170906192353261.jpg
5	9/6/2017	19:26:39	2892	214	143	20170906_192643_A.igm	None	24mm2017_09_06_19_26_49.jpg 24mm2017_09_06_19_26_56.jpg 24mm2017_09_06_19_27_02.jpg 24mm2017_09_06_19_27_08.jpg 24mm2017_09_06_19_27_15.jpg 20170906192651200.jpg 20170906192657554.jpg 20170906192703909.jpg 20170906192710265.jpg 20170906192716619.jpg
6	9/6/2017	19:30:01	3029	334	115	20170906_193004_A.igm	None	24mm2017_09_06_19_30_11.jpg 24mm2017_09_06_19_30_17.jpg 24mm2017_09_06_19_30_24.jpg 24mm2017_09_06_19_30_30.jpg 24mm2017_09_06_19_30_36.jpg 24mm2017_09_06_19_30_43.jpg 20170906193013650.jpg 20170906193020005.jpg 20170906193026359.jpg 20170906193032715.jpg 20170906193039068.jpg



2017 Hurricane Harvey Deployment ASPECT Response



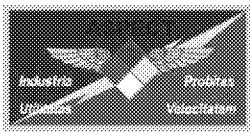
7	9/6/2017	19:33:40	2867	63	116	20170906_193344_A.igm	None	20170906193045423.jpg 24mm2017_09_06_19_33_51.jpg 24mm2017_09_06_19_33_57.jpg 20170906193352435.jpg 20170906193358791.jpg
8	9/6/2017	19:35:32	2660	199	139	20170906_193536_A.igm	None	24mm2017_09_06_19_35_42.jpg 24mm2017_09_06_19_35_48.jpg 20170906193544102.jpg 20170906193550456.jpg
9	9/6/2017	19:37:59	2909	322	111	20170906_193803_A.igm	None	24mm2017_09_06_19_38_09.jpg 24mm2017_09_06_19_38_15.jpg 24mm2017_09_06_19_38_22.jpg 20170906193811174.jpg 20170906193817528.jpg 20170906193823885.jpg
10	9/6/2017	19:41:33	2976	131	128	20170906_194136_A.igm	None	24mm2017_09_06_19_41_43.jpg 24mm2017_09_06_19_41_49.jpg 20170906194144520.jpg 20170906194150877.jpg
11	9/6/2017	19:43:36	3032	80	111	20170906_194340_A.igm	None	24mm2017_09_06_19_43_47.jpg 24mm2017_09_06_19_43_53.jpg 24mm2017_09_06_19_43_59.jpg 20170906194348896.jpg 20170906194355252.jpg 20170906194401605.jpg
12	9/6/2017	19:45:17	2986	46	107	20170906_194521_A.igm	None	24mm2017_09_06_19_45_27.jpg 24mm2017_09_06_19_45_33.jpg 24mm2017_09_06_19_45_40.jpg 20170906194529667.jpg 20170906194536024.jpg 20170906194542377.jpg
13	9/6/2017	19:49:52	2947	269	133	20170906_195003_A.igm	None	24mm2017_09_06_19_50_02.jpg 24mm2017_09_06_19_50_09.jpg 24mm2017_09_06_19_50_15.jpg 20170906195004747.jpg 20170906195011102.jpg 20170906195017457.jpg
14	9/6/2017	19:52:29	2871	277	126	20170906_195232_A.igm	None	24mm2017_09_06_19_52_39.jpg 24mm2017_09_06_19_52_45.jpg 24mm2017_09_06_19_52_52.jpg 20170906195240898.jpg 20170906195247253.jpg 20170906195253609.jpg
15	9/6/2017	19:54:35	2981	186	128	20170906_195439_A.igm	None	24mm2017_09_06_19_54_45.jpg



2017 Hurricane Harvey Deployment ASPECT Response



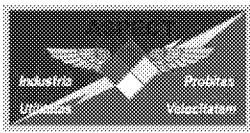
16	9/6/2017	19:56:40	2969	81	115	20170906_195643_A.igm	None	24mm2017_09_06_19_54_51.jpg 20170906195447090.jpg 20170906195453447.jpg 24mm2017_09_06_19_56_50.jpg 24mm2017_09_06_19_56_56.jpg 20170906195652374.jpg 20170906195658732.jpg
17	9/6/2017	19:59:23	3087	277	129	20170906_195927_A.igm	None	24mm2017_09_06_19_59_33.jpg 24mm2017_09_06_19_59_39.jpg 20170906195934874.jpg 20170906195941229.jpg
18	9/6/2017	0.8347	2828	87	118	20170906_200204_A.igm	None	24mm2017_09_06_20_02_10.jpg 24mm2017_09_06_20_02_16.jpg 20170906200211928.jpg 20170906200218282.jpg
19	9/6/2017	20:05:52	3027	71	109	20170906_200556_A.igm	None	24mm2017_09_06_20_06_02.jpg 24mm2017_09_06_20_06_09.jpg 24mm2017_09_06_20_06_15.jpg 24mm2017_09_06_20_06_21.jpg 20170906200604339.jpg 20170906200610693.jpg 20170906200617049.jpg 20170906200623403.jpg
20	9/6/2017	20:09:07	2962	269	136	20170906_200911_A.igm	None	24mm2017_09_06_20_09_17.jpg 20170906200919527.jpg
21	9/6/2017	20:12:43	2979	267	132	20170906_201247_A.igm	None	24mm2017_09_06_20_12_53.jpg 24mm2017_09_06_20_12_59.jpg 20170906201255595.jpg 20170906201301950.jpg
22	9/6/2017	20:13:46	2889	236	137	20170906_201349_A.igm	None	24mm2017_09_06_20_13_55.jpg 24mm2017_09_06_20_14_02.jpg 20170906201358236.jpg 20170906201403684.jpg
23	9/6/2017	20:16:24	2871	131	128	20170906_201628_A.igm	None	24mm2017_09_06_20_16_34.jpg 24mm2017_09_06_20_16_40.jpg 20170906201636198.jpg 20170906201642553.jpg
24	9/6/2017	20:18:34	2944	110	123	20170906_201838_A.igm	None	24mm2017_09_06_20_18_44.jpg 24mm2017_09_06_20_18_50.jpg 20170906201846021.jpg 20170906201852375.jpg
25	9/6/2017	20:20:31	3040	62	108	20170906_202036_A.igm	None	24mm2017_09_06_20_20_41.jpg 24mm2017_09_06_20_20_48.jpg 20170906202044040.jpg



2017 Hurricane Harvey Deployment ASPECT Response



26	9/6/2017	20:22:53	3010	316	115	20170906_202256_A.igm	None	20170906202050396.jpg 24mm2017_09_06_20_23_03.jpg 20170906202304749.jpg
27	9/6/2017	20:25:09	3047	64	108	20170906_202513_A.igm	None	24mm2017_09_06_20_25_19.jpg 24mm2017_09_06_20_25_25.jpg 20170906202520927.jpg 20170906202527281.jpg
28	9/6/2017	20:27:41	2949	52	100	20170906_202745_A.igm	None	24mm2017_09_06_20_27_51.jpg 20170906202753448.jpg
29	9/6/2017	20:30:36	3001	274	128	20170906_203040_A.igm	None	24mm2017_09_06_20_30_46.jpg 20170906203048664.jpg
30	9/6/2017	20:32:51	2923	19	107	20170906_203255_A.igm	None	24mm2017_09_06_20_33_01.jpg 24mm2017_09_06_20_33_07.jpg 24mm2017_09_06_20_33_14.jpg 20170906203303926.jpg 20170906203309371.jpg 20170906203315726.jpg
31	9/6/2017	20:36:16	2943	231	142	20170906_203621_A.igm	None	24mm2017_09_06_20_36_26.jpg 24mm2017_09_06_20_36_33.jpg 24mm2017_09_06_20_36_39.jpg 20170906203629095.jpg 20170906203635451.jpg 20170906203641806.jpg
32	9/6/2017	20:38:41	2921	269	132	20170906_203844_A.igm	None	24mm2017_09_06_20_38_51.jpg 24mm2017_09_06_20_38_57.jpg 24mm2017_09_06_20_39_04.jpg 20170906203853443.jpg 20170906203859798.jpg 20170906203906155.jpg
33	9/6/2017	20:41:48	2896	86	116	20170906_204152_A.igm	None	24mm2017_09_06_20_41_58.jpg 24mm2017_09_06_20_42_04.jpg 20170906204200459.jpg 20170906204206816.jpg

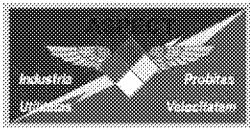


2017 Hurricane Harvey Deployment ASPECT Response



Flight 20 –

Run	Date	Time	Altitude	Heading	Speed	FTIR	IRLS	Photos
1	9/7/2017	16:25:02	1881	149	157	20170907_162505_A.igm	None	24mm2017_09_07_16_25_11.jpg 24mm2017_09_07_16_25_17.jpg 20170907162513547.jpg 20170907162519904.jpg
2	9/7/2017	17:49:58	3107	309	118	20170907_175002_A.igm	None	24mm2017_09_07_17_50_08.jpg 24mm2017_09_07_17_50_14.jpg 24mm2017_09_07_17_50_20.jpg 24mm2017_09_07_17_50_27.jpg 24mm2017_09_07_17_50_33.jpg 20170907175011035.jpg 20170907175017391.jpg 20170907175023744.jpg 20170907175030100.jpg 20170907175036455.jpg
3	9/7/2017	17:55:55	3088	119	124	20170907_175559_A.igm	None	24mm2017_09_07_17_56_04.jpg 24mm2017_09_07_17_56_10.jpg 24mm2017_09_07_17_56_17.jpg 24mm2017_09_07_17_56_23.jpg 24mm2017_09_07_17_56_29.jpg 24mm2017_09_07_17_56_36.jpg 20170907175606913.jpg 20170907175613267.jpg 20170907175619622.jpg 20170907175625978.jpg 20170907175632331.jpg 20170907175638686.jpg
4	9/7/2017	18:01:01	3174	63	117	20170907_180105_A.igm	None	24mm2017_09_07_18_01_10.jpg 24mm2017_09_07_18_01_17.jpg 24mm2017_09_07_18_01_23.jpg 24mm2017_09_07_18_01_29.jpg 24mm2017_09_07_18_01_36.jpg 20170907180113767.jpg 20170907180120121.jpg 20170907180126476.jpg 20170907180132831.jpg 20170907180139187.jpg
5	9/7/2017	18:04:30	2820	206	121	20170907_180434_A.igm	None	24mm2017_09_07_18_04_39.jpg 24mm2017_09_07_18_04_45.jpg 24mm2017_09_07_18_04_51.jpg 24mm2017_09_07_18_04_58.jpg 20170907180441665.jpg

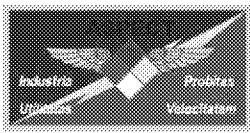


2017 Hurricane Harvey Deployment ASPECT Response



6	9/7/2017	18:13:46	2953	308	123	20170907_181350_A.igm	None	20170907180448020.jpg
								20170907180454375.jpg
								20170907180500730.jpg
								24mm2017_09_07_18_13_55.jpg
								24mm2017_09_07_18_14_02.jpg
								24mm2017_09_07_18_14_08.jpg
								24mm2017_09_07_18_14_14.jpg
								24mm2017_09_07_18_14_21.jpg
								20170907181358180.jpg
								20170907181404536.jpg
								20170907181410890.jpg
								20170907181417244.jpg
								20170907181423602.jpg

RAF

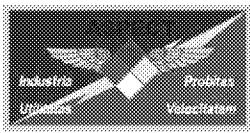


2017 Hurricane Harvey Deployment ASPECT Response



Flight 21 –

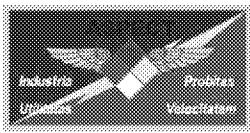
Run	Date	Time	Altitude	Heading	Speed	FTIR	IRLS	Photos	Notes
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2	9/7/2017	19:50:28	2700	291	129	20170907_195032_A.igm	None	24mm2017_09_07_19_49_52.jpg 24mm2017_09_07_19_49_59.jpg 24mm2017_09_07_19_50_05.jpg 20170907195040346.jpg 20170907195046701.jpg 20170907195053056.jpg	
3	9/7/2017	19:52:50	2927	66	110	20170907_195254_A.igm	None	24mm2017_09_07_19_52_14.jpg 24mm2017_09_07_19_52_20.jpg 24mm2017_09_07_19_52_27.jpg 24mm2017_09_07_19_52_33.jpg 24mm2017_09_07_19_52_39.jpg 20170907195301972.jpg 20170907195308327.jpg 20170907195314682.jpg 20170907195321036.jpg 20170907195327391.jpg	
4	9/7/2017	19:56:28	2832	293	140	20170907_195632_A.igm	None	24mm2017_09_07_19_55_53.jpg 24mm2017_09_07_19_55_59.jpg 24mm2017_09_07_19_56_05.jpg 20170907195640765.jpg 20170907195647119.jpg 20170907195653475.jpg	
5	9/7/2017	19:58:50	2935	57	114	20170907_195853_A.igm	None	24mm2017_09_07_19_58_14.jpg 24mm2017_09_07_19_58_21.jpg 24mm2017_09_07_19_58_27.jpg 20170907195902392.jpg 20170907195908746.jpg 20170907195915100.jpg	
6	9/7/2017	20:02:06	2854	205	138	20170907_200210_A.igm	None	24mm2017_09_07_20_01_31.jpg 24mm2017_09_07_20_01_37.jpg 20170907200218487.jpg 20170907200224842.jpg	
7	9/7/2017	20:04:28	2866	30	108	20170907_200432_A.igm	None	24mm2017_09_07_20_03_53.jpg 24mm2017_09_07_20_03_59.jpg 24mm2017_09_07_20_04_05.jpg	



2017 Hurricane Harvey Deployment ASPECT Response



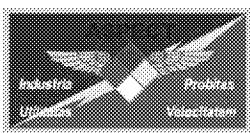
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16	9/7/2017	20:26:31	2750	291	133	20170907_202635_A.igm	None	24mm2017_09_07_20_25_56.jpg 24mm2017_09_07_20_26_02.jpg 20170907202643740.jpg



2017 Hurricane Harvey Deployment ASPECT Response



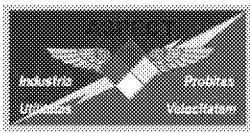
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18	9/7/2017	20:31:33	2807	164	124	20170907_203137_A.igm	None	24mm2017_09_07_20_30_57.jpg 24mm2017_09_07_20_31_03.jpg 24mm2017_09_07_20_31_10.jpg 24mm2017_09_07_20_31_16.jpg 20170907203145148.jpg 20170907203151502.jpg 20170907203157857.jpg 20170907203204212.jpg
19	9/7/2017	20:34:02	2942	308	123	20170907_203406_A.igm	None	24mm2017_09_07_20_33_27.jpg 24mm2017_09_07_20_33_33.jpg 24mm2017_09_07_20_33_39.jpg 20170907203414938.jpg 20170907203421295.jpg 20170907203427651.jpg
20	9/7/2017	20:35:43	2926	211	135	20170907_203546_A.igm	None	24mm2017_09_07_20_35_07.jpg 24mm2017_09_07_20_35_13.jpg 20170907203554803.jpg 20170907203601158.jpg
21	9/7/2017	20:38:55	3072	100	124	20170907_203858_A.igm	None	24mm2017_09_07_20_38_20.jpg 24mm2017_09_07_20_38_26.jpg 24mm2017_09_07_20_38_32.jpg 24mm2017_09_07_20_38_38.jpg 20170907203907267.jpg 20170907203913621.jpg 20170907203919977.jpg 20170907203926331.jpg
22	9/7/2017	20:41:06	2922	259	128	20170907_204110_A.igm	None	24mm2017_09_07_20_40_30.jpg 24mm2017_09_07_20_40_37.jpg 24mm2017_09_07_20_40_43.jpg 24mm2017_09_07_20_40_49.jpg 24mm2017_09_07_20_40_55.jpg 20170907204117998.jpg 20170907204124352.jpg 20170907204130708.jpg 20170907204137063.jpg 20170907204143417.jpg
23	9/7/2017	20:43:41	2826	354	106	20170907_204345_A.igm	None	24mm2017_09_07_20_43_05.jpg 24mm2017_09_07_20_43_12.jpg 20170907204353242.jpg



2017 Hurricane Harvey Deployment ASPECT Response



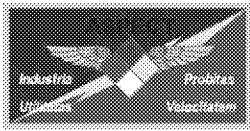
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26	9/7/2017	20:50:00	3017	21	117	20170907_205004_A.igm	None	24mm2017_09_07_20_49_24.jpg 24mm2017_09_07_20_49_31.jpg 20170907205012714.jpg 20170907205018161.jpg
27	9/7/2017	20:52:11	2999	221	142	20170907_205215_A.igm	None	24mm2017_09_07_20_51_35.jpg 24mm2017_09_07_20_51_41.jpg 20170907205222537.jpg 20170907205228892.jpg
28	9/7/2017	20:54:45	2943	353	119	20170907_205448_A.igm	None	24mm2017_09_07_20_54_09.jpg 24mm2017_09_07_20_54_16.jpg 24mm2017_09_07_20_54_22.jpg 20170907205457778.jpg 20170907205504134.jpg 20170907205509582.jpg
29	9/7/2017	20:58:30	2957	171	135	20170907_205834_A.igm	None	24mm2017_09_07_20_57_55.jpg 24mm2017_09_07_20_58_01.jpg 20170907205842914.jpg 20170907205849270.jpg
30	9/7/2017	21:00:23	3002	313	123	20170907_210027_A.igm	None	24mm2017_09_07_20_59_47.jpg 24mm2017_09_07_20_59_54.jpg 20170907210035484.jpg 20170907210041838.jpg
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32	9/7/2017	21:05:32	2944	292	132	20170907_210535_A.igm	None	24mm2017_09_07_21_04_56.jpg 24mm2017_09_07_21_05_02.jpg 20170907210544141.jpg 20170907210550497.jpg
33	9/7/2017	21:07:25	2819	223	138	20170907_210729_A.igm	None	24mm2017_09_07_21_06_50.jpg 20170907210737621.jpg
34	9/7/2017	21:09:21	2898	226	125	20170907_210924_A.igm	None	24mm2017_09_07_21_08_45.jpg 24mm2017_09_07_21_08_51.jpg 20170907210932919.jpg



2017 Hurricane Harvey Deployment ASPECT Response



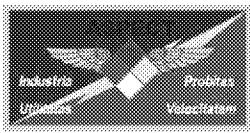
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37	9/7/2017	21:18:57	2936	270	126	20170907_211901_A.igm	None	24mm2017_09_07_21_18_21.jpg 24mm2017_09_07_21_18_27.jpg 24mm2017_09_07_21_18_33.jpg 24mm2017_09_07_21_18_40.jpg 24mm2017_09_07_21_18_46.jpg 20170907211908499.jpg 20170907211914854.jpg 20170907211921209.jpg 20170907211927564.jpg 20170907211933920.jpg
38	9/7/2017	21:22:05	2997	288	125	20170907_212208_A.igm	None	24mm2017_09_07_21_21_29.jpg 24mm2017_09_07_21_21_35.jpg 20170907212217333.jpg 20170907212223688.jpg
39	9/7/2017	21:26:14	2900	53	115	20170907_212619_A.igm	None	24mm2017_09_07_21_25_38.jpg 20170907212626086.jpg
40	9/7/2017	21:28:21	2948	245	125	20170907_212825_A.igm	None	24mm2017_09_07_21_27_45.jpg 20170907212833186.jpg
41	9/7/2017	21:29:50	2945	257	126	20170907_212954_A.igm	None	24mm2017_09_07_21_29_14.jpg 24mm2017_09_07_21_29_20.jpg 24mm2017_09_07_21_29_26.jpg 20170907213002151.jpg 20170907213008505.jpg 20170907213014860.jpg
42	9/7/2017	21:33:02	2985	87	120	20170907_213305_A.igm	None	24mm2017_09_07_21_32_26.jpg 24mm2017_09_07_21_32_33.jpg 20170907213314615.jpg 20170907213320970.jpg
43	9/7/2017	21:36:30	2862	264	133	20170907_213634_A.igm	None	24mm2017_09_07_21_35_54.jpg 24mm2017_09_07_21_36_00.jpg 20170907213641606.jpg 20170907213647962.jpg
44	9/7/2017	21:39:06	3050	113	107	20170907_213909_A.igm	None	24mm2017_09_07_21_38_30.jpg 24mm2017_09_07_21_38_36.jpg 24mm2017_09_07_21_38_43.jpg



2017 Hurricane Harvey Deployment ASPECT Response



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46	9/7/2017	21:44:45	2948	308	119	20170907_214449_A.igm	None	24mm2017_09_07_21_41_31.jpg 24mm2017_09_07_21_41_38.jpg 20170907214219327.jpg 20170907214225684.jpg
47	9/7/2017	21:46:53	2997	310	121	20170907_214656_A.igm	None	24mm2017_09_07_21_44_09.jpg 24mm2017_09_07_21_44_15.jpg 20170907214457294.jpg 20170907214503649.jpg
48	9/7/2017	21:48:54	2932	138	124	20170907_214857_A.igm	None	24mm2017_09_07_21_46_17.jpg 24mm2017_09_07_21_46_23.jpg 20170907214705302.jpg 20170907214711657.jpg
49	9/7/2017	21:52:11	2875	194	132	20170907_215216_A.igm	None	24mm2017_09_07_21_48_18.jpg 24mm2017_09_07_21_48_25.jpg 20170907214906046.jpg 20170907214912403.jpg

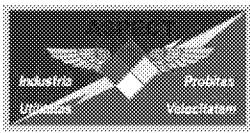


2017 Hurricane Harvey Deployment ASPECT Response



Flight 22 –

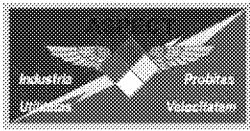
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2	9/8/2017	14:36:05	3026	169	120	20170908_143609_A.igm 20170908_143648_A.igm	None	24mm2017_09_08_14_35_57.jpg 24mm2017_09_08_14_36_03.jpg 24mm2017_09_08_14_36_09.jpg 24mm2017_09_08_14_36_16.jpg 24mm2017_09_08_14_36_22.jpg 24mm2017_09_08_14_36_28.jpg 24mm2017_09_08_14_36_35.jpg 24mm2017_09_08_14_36_41.jpg 24mm2017_09_08_14_36_47.jpg 24mm2017_09_08_14_36_53.jpg 24mm2017_09_08_14_37_00.jpg 24mm2017_09_08_14_37_06.jpg 20170908143617327.jpg 20170908143623681.jpg 20170908143630036.jpg 20170908143636393.jpg 20170908143642748.jpg



2017 Hurricane Harvey Deployment ASPECT Response



3	9/8/2017	14:44:22	2941	7	122	20170908_144426_A.igm 20170908_144505_A.igm	None	20170908143649102.jpg 20170908143655456.jpg 20170908143701812.jpg 20170908143708169.jpg 20170908143714522.jpg 20170908143720876.jpg 20170908143726323.jpg 24mm2017_09_08_14_44_14.jpg 24mm2017_09_08_14_44_20.jpg 24mm2017_09_08_14_44_26.jpg 24mm2017_09_08_14_44_33.jpg 24mm2017_09_08_14_44_39.jpg 24mm2017_09_08_14_44_45.jpg 24mm2017_09_08_14_44_52.jpg 24mm2017_09_08_14_44_58.jpg 20170908144434831.jpg 20170908144441186.jpg 20170908144447541.jpg 20170908144452988.jpg 20170908144459344.jpg 20170908144505698.jpg 20170908144512053.jpg 20170908144518408.jpg
4	9/8/2017	14:49:32	3024	172	121	20170908_144935_A.igm 20170908_145016_A.igm	None	24mm2017_09_08_14_49_24.jpg 24mm2017_09_08_14_49_30.jpg 24mm2017_09_08_14_49_36.jpg 24mm2017_09_08_14_49_43.jpg 24mm2017_09_08_14_49_49.jpg 24mm2017_09_08_14_49_55.jpg 24mm2017_09_08_14_50_01.jpg 24mm2017_09_08_14_50_08.jpg 24mm2017_09_08_14_50_14.jpg 20170908144944411.jpg 20170908144950766.jpg 20170908144957120.jpg 20170908145003474.jpg 20170908145009830.jpg 20170908145016187.jpg 20170908145022539.jpg 20170908145028895.jpg 20170908145034342.jpg
5	9/8/2017	14:55:15	2979	87	107	20170908_145518_A.igm 20170908_145557_A.igm 20170908_145637_A.igm	None	24mm2017_09_08_14_55_06.jpg 24mm2017_09_08_14_55_13.jpg 24mm2017_09_08_14_55_19.jpg

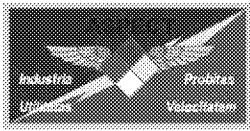


2017 Hurricane Harvey Deployment ASPECT Response



REDACTED

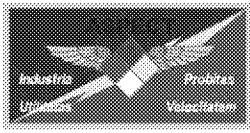
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2017 Hurricane Harvey Deployment ASPECT Response



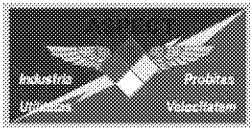
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8	9/8/2017	15:14:58	3040	129	113	20170908_151502_A.igm 20170908_151541_A.igm	None	24mm2017_09_08_15_14_50.jpg 24mm2017_09_08_15_14_56.jpg 24mm2017_09_08_15_15_02.jpg 24mm2017_09_08_15_15_08.jpg 24mm2017_09_08_15_15_15.jpg



2017 Hurricane Harvey Deployment ASPECT Response



9	9/8/2017	15:21:31	3031	134	114	20170908_152134_A.igm	None	24mm2017_09_08_15_15_21.jpg 24mm2017_09_08_15_15_27.jpg 24mm2017_09_08_15_15_34.jpg 24mm2017_09_08_15_15_40.jpg 24mm2017_09_08_15_15_46.jpg 24mm2017_09_08_15_15_53.jpg 20170908151510512.jpg 20170908151516868.jpg 20170908151523223.jpg 20170908151529577.jpg 20170908151535933.jpg 20170908151541379.jpg 20170908151547734.jpg 20170908151554092.jpg 20170908151600444.jpg 20170908151606799.jpg 20170908151613154.jpg 24mm2017_09_08_15_21_22.jpg 24mm2017_09_08_15_21_29.jpg 24mm2017_09_08_15_21_35.jpg 24mm2017_09_08_15_21_41.jpg 24mm2017_09_08_15_21_48.jpg 24mm2017_09_08_15_21_54.jpg 24mm2017_09_08_15_22_00.jpg 24mm2017_09_08_15_22_07.jpg 24mm2017_09_08_15_22_13.jpg 24mm2017_09_08_15_22_19.jpg 24mm2017_09_08_15_22_25.jpg 24mm2017_09_08_15_22_32.jpg 24mm2017_09_08_15_22_38.jpg 20170908152143614.jpg 20170908152149969.jpg 20170908152155415.jpg 20170908152201770.jpg 20170908152208126.jpg 20170908152214480.jpg 20170908152220836.jpg 20170908152227191.jpg 20170908152233546.jpg 20170908152239900.jpg 20170908152246256.jpg 20170908152252611.jpg 20170908152258965.jpg 24mm2017_09_08_15_27_31.jpg
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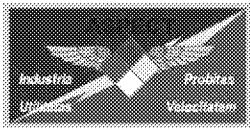
2017 Hurricane Harvey Deployment ASPECT Response



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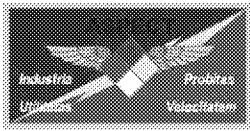
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2017 Hurricane Harvey Deployment ASPECT Response



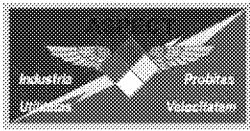
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2017 Hurricane Harvey Deployment ASPECT Response



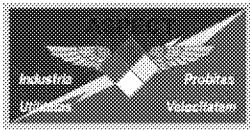
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17	9/8/2017	16:04:50	3027	181	127	20170908_160454_A.igm 20170908_160533_A.igm 20170908_160612_A.igm 20170908_160651_A.igm	None	24mm2017_09_08_16_04_41.jpg 24mm2017_09_08_16_04_48.jpg 24mm2017_09_08_16_04_54.jpg 24mm2017_09_08_16_05_00.jpg 24mm2017_09_08_16_05_07.jpg 24mm2017_09_08_16_05_13.jpg 24mm2017_09_08_16_05_19.jpg 24mm2017_09_08_16_05_26.jpg 24mm2017_09_08_16_05_32.jpg 24mm2017_09_08_16_05_38.jpg 24mm2017_09_08_16_05_45.jpg 24mm2017_09_08_16_05_51.jpg 24mm2017_09_08_16_05_57.jpg



2017 Hurricane Harvey Deployment ASPECT Response



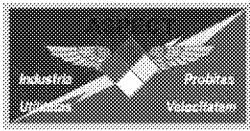
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2017 Hurricane Harvey Deployment ASPECT Response



19	9/8/2017	16:23:40	2957	147	121	20170908_162345_A.igm	None	24mm2017_09_08_16_23_32.jpg 20170908162353105.jpg
20	9/8/2017	16:26:13	3053	177	123	20170908_162616_A.igm 20170908_162656_A.igm 20170908_162735_A.igm 20170908_162814_A.igm	None	24mm2017_09_08_16_26_04.jpg 24mm2017_09_08_16_26_11.jpg 24mm2017_09_08_16_26_17.jpg 24mm2017_09_08_16_26_23.jpg 24mm2017_09_08_16_26_30.jpg 24mm2017_09_08_16_26_36.jpg 24mm2017_09_08_16_26_42.jpg 24mm2017_09_08_16_26_49.jpg 24mm2017_09_08_16_26_55.jpg 24mm2017_09_08_16_27_01.jpg 24mm2017_09_08_16_27_07.jpg 24mm2017_09_08_16_27_14.jpg 24mm2017_09_08_16_27_20.jpg

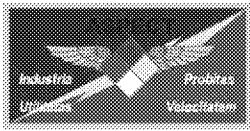


2017 Hurricane Harvey Deployment ASPECT Response



21 9/8/2017 16:36:11 3063 7 113

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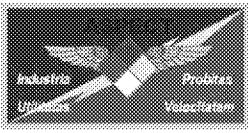
2017 Hurricane Harvey Deployment ASPECT Response



DATA

22 9/8/2017 16:46:20 3013 175 126

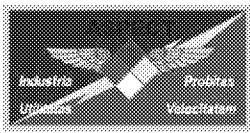
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2017 Hurricane Harvey Deployment ASPECT Response



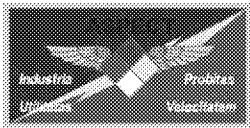
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2017 Hurricane Harvey Deployment ASPECT Response



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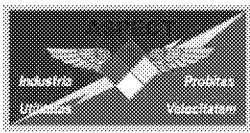


2017 Hurricane Harvey Deployment ASPECT Response



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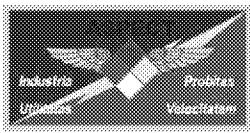


2017 Hurricane Harvey Deployment ASPECT Response



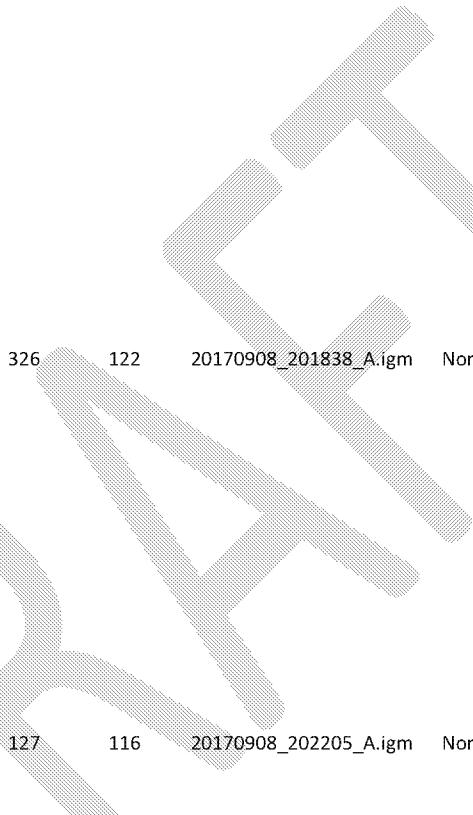
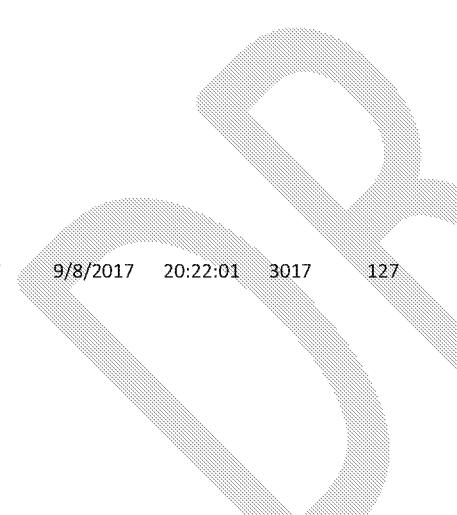
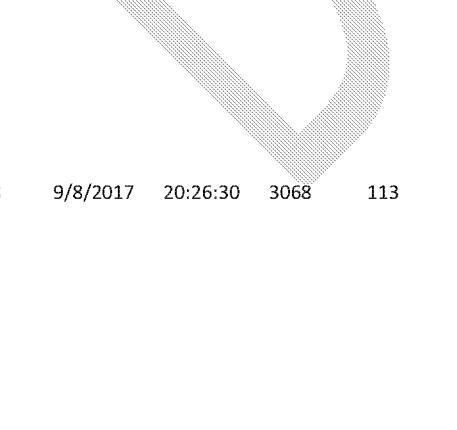
Flight 23 –

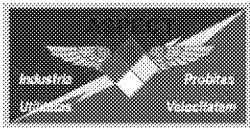
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2017 Hurricane Harvey Deployment ASPECT Response



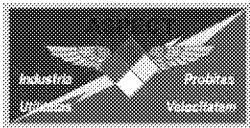
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7	9/8/2017	20:22:01	3017	127	116	20170908_202205_A.igm	None	
8	9/8/2017	20:26:30	3068	113	125	20170908_202633_A.igm	None	



2017 Hurricane Harvey Deployment ASPECT Response



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10	9/8/2017	20:36:24	2981	261	126	20170908_203627_A.igm	None	20170908_203707_A.igm	24mm2017_09_08_20_35_45.jpg	24mm2017_09_08_20_35_52.jpg	24mm2017_09_08_20_35_58.jpg	24mm2017_09_08_20_36_04.jpg	24mm2017_09_08_20_36_11.jpg	24mm2017_09_08_20_36_17.jpg	24mm2017_09_08_20_36_23.jpg	20170908203636967.jpg	20170908203643323.jpg	20170908203648770.jpg	20170908203655125.jpg	20170908203701480.jpg	20170908203707835.jpg	20170908203714191.jpg	24mm2017_09_08_20_47_53.jpg	24mm2017_09_08_20_48_00.jpg	24mm2017_09_08_20_48_06.jpg	24mm2017_09_08_20_48_12.jpg	24mm2017_09_08_20_48_19.jpg
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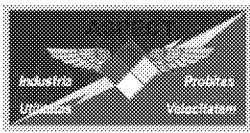


2017 Hurricane Harvey Deployment ASPECT Response



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2017 Hurricane Harvey Deployment ASPECT Response



Flight 24 –

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4	9/9/2017	14:16:11	2951	39	112	20170909_141615_A.igm	None	24mm2017_09_09_14_15_26.jpg 24mm2017_09_09_14_15_32.jpg 24mm2017_09_09_14_15_38.jpg 20170909141622928.jpg 20170909141629282.jpg 20170909141635638.jpg
5	9/9/2017	14:19:18	2984	238	131	20170909_141922_A.igm	None	24mm2017_09_09_14_18_32.jpg 24mm2017_09_09_14_18_39.jpg 24mm2017_09_09_14_18_45.jpg 20170909141929939.jpg 20170909141936292.jpg 20170909141942650.jpg
6	9/9/2017	14:23:28	2972	41	109	20170909_142332_A.igm	None	24mm2017_09_09_14_22_43.jpg 24mm2017_09_09_14_22_49.jpg 24mm2017_09_09_14_22_56.jpg 20170909142340501.jpg 20170909142346856.jpg 20170909142353210.jpg
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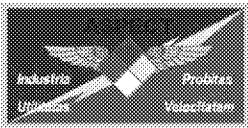
2017 Hurricane Harvey Deployment ASPECT Response



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Pre-decisional Do Not Cite or Quote

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2017 Hurricane Harvey Deployment ASPECT Response



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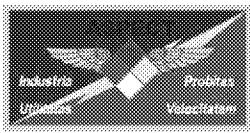
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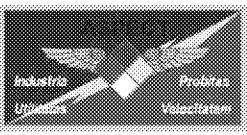
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2017 Hurricane Harvey Deployment ASPECT Response



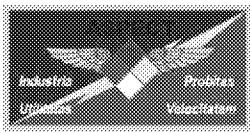
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2017 Hurricane Harvey Deployment ASPECT Response



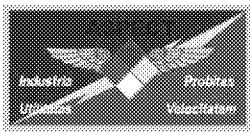
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2017 Hurricane Harvey Deployment ASPECT Response



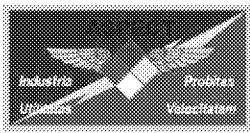
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33	9/9/2017	16:19:23	3015	335	119	20170909_161926_A.igm 20170909_162006_A.igm	2017_09_09_16_19_29_R_34	24mm2017_09_09_16_18_38.jpg 24mm2017_09_09_16_18_44.jpg 24mm2017_09_09_16_18_50.jpg 24mm2017_09_09_16_18_57.jpg 24mm2017_09_09_16_19_03.jpg 24mm2017_09_09_16_19_09.jpg 24mm2017_09_09_16_19_15.jpg 20170909161935575.jpg 20170909161941930.jpg 20170909161948286.jpg 20170909161953732.jpg 20170909162000088.jpg 20170909162006442.jpg 20170909162012797.jpg
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2017 Hurricane Harvey Deployment ASPECT Response



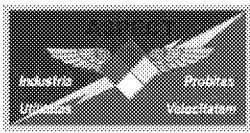
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								20170909164149195.jpg	
39	9/9/2017	16:45:36	3091	326	123	20170909_164540_A.igm	2017_09_09_16_45_43_R_40	24mm2017_09_09_16_44_51.jpg	
						20170909_164619_A.igm		24mm2017_09_09_16_44_57.jpg	
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								24mm2017_09_09_16_45_16.jpg	
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2017 Hurricane Harvey Deployment ASPECT Response



40	9/9/2017	16:50:32	3018	122	123	20170909_165035_A.igm	2017_09_09_16_50_39_R_41	20170909164626085.jpg 24mm2017_09_09_16_49_47.jpg 24mm2017_09_09_16_49_53.jpg 24mm2017_09_09_16_49_59.jpg 24mm2017_09_09_16_50_06.jpg 24mm2017_09_09_16_50_12.jpg 24mm2017_09_09_16_50_18.jpg 24mm2017_09_09_16_50_25.jpg 20170909165044819.jpg 20170909165050266.jpg 20170909165056621.jpg 20170909165102975.jpg 20170909165109330.jpg 20170909165115686.jpg 20170909165122041.jpg
41	9/9/2017	16:55:43	2937	18	115	20170909_165548_A.igm	2017_09_09_16_55_50_R_42	24mm2017_09_09_16_54_58.jpg 24mm2017_09_09_16_55_04.jpg 24mm2017_09_09_16_55_11.jpg 24mm2017_09_09_16_55_17.jpg 24mm2017_09_09_16_55_23.jpg 24mm2017_09_09_16_55_30.jpg 20170909165556212.jpg 20170909165602566.jpg 20170909165608013.jpg 20170909165614368.jpg 20170909165620723.jpg 20170909165627079.jpg
42	9/9/2017	16:59:52	2980	244	137	20170909_165957_A.igm	2017_09_09_16_59_59_R_43	24mm2017_09_09_16_59_07.jpg 24mm2017_09_09_16_59_14.jpg 24mm2017_09_09_16_59_20.jpg 24mm2017_09_09_16_59_26.jpg 20170909170004964.jpg 20170909170011321.jpg 20170909170017674.jpg 20170909170024028.jpg

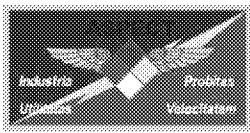


2017 Hurricane Harvey Deployment ASPECT Response



Flight 25 –

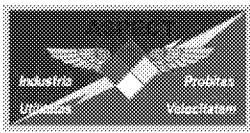
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2	9/9/2017	19:12:25	3036	90	108	20170909_191229_A.igm	2017_09_09_19_12_30_R_03	24mm2017_09_09_19_12_03.jpg 24mm2017_09_09_19_12_09.jpg 24mm2017_09_09_19_12_15.jpg 24mm2017_09_09_19_12_22.jpg 20170909191237268.jpg 20170909191243623.jpg 20170909191249978.jpg 20170909191256333.jpg 24mm2017_09_09_19_16_27.jpg 24mm2017_09_09_19_16_33.jpg 24mm2017_09_09_19_16_39.jpg 20170909191700546.jpg 20170909191706900.jpg 20170909191713256.jpg
3	9/9/2017	19:16:48	2989	298	122	20170909_191652_A.igm	None	24mm2017_09_09_19_16_27.jpg 24mm2017_09_09_19_16_33.jpg 24mm2017_09_09_19_16_39.jpg 20170909191700546.jpg 20170909191706900.jpg 20170909191713256.jpg
4	9/9/2017	19:20:17	3015	170	129	20170909_192021_A.igm	None	24mm2017_09_09_19_19_55.jpg 24mm2017_09_09_19_20_02.jpg 24mm2017_09_09_19_20_08.jpg 20170909192029353.jpg 20170909192035708.jpg 20170909192042063.jpg
5	9/9/2017	19:24:01	2946	214	136	20170909_192405_A.igm	2017_09_09_19_24_06_R_06	24mm2017_09_09_19_23_39.jpg 24mm2017_09_09_19_23_46.jpg 24mm2017_09_09_19_23_52.jpg 24mm2017_09_09_19_23_58.jpg 24mm2017_09_09_19_24_05.jpg 20170909192413593.jpg 20170909192419947.jpg 20170909192426304.jpg 20170909192432658.jpg 20170909192439013.jpg
6	9/9/2017	19:28:14	3043	22	107	20170909_192818_A.igm	None	24mm2017_09_09_19_27_52.jpg



2017 Hurricane Harvey Deployment ASPECT Response



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								24mm2017_09_09_19_28_11.jpg
								20170909192826884.jpg
								20170909192833239.jpg
								20170909192839595.jpg
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7	9/9/2017	19:32:02	3022	272	129	20170909_193206_A.igm	None	24mm2017_09_09_19_31_40.jpg
8	9/9/2017	19:35:27	2949	85	111	20170909_193530_A.igm	2017_09_09_19_35_31_R_09	24mm2017_09_09_19_35_04.jpg
9	9/9/2017	19:39:05	2920	294	126	20170909_193909_A.igm	None	24mm2017_09_09_19_38_43.jpg
10	9/9/2017	19:42:46	2994	29	115	20170909_194250_A.igm	None	24mm2017_09_09_19_42_24.jpg
11	9/9/2017	19:46:21	2964	22	112	20170909_194625_A.igm	None	24mm2017_09_09_19_46_00.jpg
12	9/9/2017	19:49:15	3012	224	132	20170909_194920_A.igm	None	24mm2017_09_09_19_48_53.jpg
13	9/9/2017	19:52:09	2927	2	111	20170909_195213_A.igm	None	24mm2017_09_09_19_51_48.jpg
14	9/9/2017	19:57:29	2976	20	111	20170909_195732_A.igm	None	24mm2017_09_09_19_57_07.jpg
								24mm2017_09_09_19_57_13.jpg
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								20170909195740858.jpg
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2017 Hurricane Harvey Deployment ASPECT Response



15	9/9/2017	20:00:22	3004	257	132	20170909_200026_A.igm	None	20170909195753569.jpg 24mm2017_09_09_20_00_00.jpg 24mm2017_09_09_20_00_06.jpg 24mm2017_09_09_20_00_12.jpg 20170909200034258.jpg 20170909200040613.jpg 20170909200046969.jpg
16	9/9/2017	20:03:52	2933	2	113	20170909_200356_A.igm	2017_09_09_20_03_57_R_18	24mm2017_09_09_20_03_30.jpg 24mm2017_09_09_20_03_36.jpg 24mm2017_09_09_20_03_43.jpg 24mm2017_09_09_20_03_49.jpg 20170909200403964.jpg 20170909200410319.jpg 20170909200416676.jpg 20170909200423030.jpg
17	9/9/2017	20:07:38	3111	164	130	20170909_200742_A.igm	None	24mm2017_09_09_20_07_16.jpg 24mm2017_09_09_20_07_23.jpg 24mm2017_09_09_20_07_29.jpg 24mm2017_09_09_20_07_35.jpg 20170909200750920.jpg 20170909200757275.jpg 20170909200802722.jpg 20170909200809077.jpg
18	9/9/2017	20:11:38	3013	5	113	20170909_201141_A.igm	2017_09_09_20_11_43_R_20	24mm2017_09_09_20_11_15.jpg 24mm2017_09_09_20_11_22.jpg 24mm2017_09_09_20_11_28.jpg 24mm2017_09_09_20_11_34.jpg 24mm2017_09_09_20_11_41.jpg 20170909201149682.jpg 20170909201156037.jpg 20170909201202392.jpg 20170909201208747.jpg 20170909201215103.jpg
19	9/9/2017	20:15:01	2999	158	121	20170909_201505_A.igm	None	24mm2017_09_09_20_14_40.jpg 24mm2017_09_09_20_14_46.jpg 24mm2017_09_09_20_14_52.jpg 20170909201513949.jpg 20170909201520304.jpg 20170909201526659.jpg
20	9/9/2017	20:19:38	3011	59	106	20170909_201941_A.igm	None	24mm2017_09_09_20_19_16.jpg 24mm2017_09_09_20_19_22.jpg 24mm2017_09_09_20_19_29.jpg 20170909201949937.jpg 20170909201956292.jpg



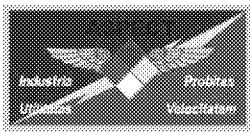
2017 Hurricane Harvey Deployment ASPECT Response



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22	9/9/2017	20:27:07	3026	34	111	20170909_202711_A.igm	2017_09_09_20_27_13_R_24	24mm2017_09_09_20_26_45.jpg 24mm2017_09_09_20_26_52.jpg 24mm2017_09_09_20_26_58.jpg 24mm2017_09_09_20_27_04.jpg 20170909202719320.jpg 20170909202725675.jpg 20170909202732031.jpg 20170909202738385.jpg
23	9/9/2017	20:30:36	3025	173	129	20170909_203039_A.igm	2017_09_09_20_30_42_R_25	24mm2017_09_09_20_30_14.jpg 24mm2017_09_09_20_30_21.jpg 24mm2017_09_09_20_30_27.jpg 24mm2017_09_09_20_30_33.jpg 20170909203048127.jpg 20170909203054481.jpg 20170909203100836.jpg 20170909203107191.jpg
24	9/9/2017	20:34:20	3029	345	113	20170909_203425_A.igm	None	24mm2017_09_09_20_33_58.jpg 24mm2017_09_09_20_34_05.jpg 24mm2017_09_09_20_34_11.jpg 20170909203432363.jpg 20170909203438718.jpg 20170909203445073.jpg
25	9/9/2017	20:37:15	3050	195	127	20170909_203719_A.igm	2017_09_09_20_37_21_R_27	24mm2017_09_09_20_36_53.jpg 24mm2017_09_09_20_37_00.jpg 24mm2017_09_09_20_37_06.jpg 24mm2017_09_09_20_37_12.jpg 24mm2017_09_09_20_37_18.jpg 24mm2017_09_09_20_37_25.jpg 20170909203727574.jpg 20170909203733930.jpg 20170909203740284.jpg 20170909203746639.jpg 20170909203752995.jpg 20170909203759350.jpg
26	9/9/2017	20:41:29	3037	7	109	20170909_204133_A.igm	2017_09_09_20_41_34_R_28	24mm2017_09_09_20_41_07.jpg

Pre-decisional Do Not Cite or Quote

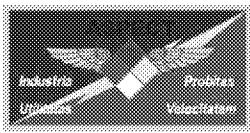
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2017 Hurricane Harvey Deployment ASPECT Response



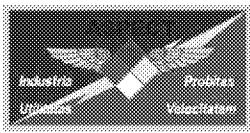
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27	9/9/2017	20:47:12	3014	183	134	20170909_204716_A.igm	2017_09_09_20_47_18_R_29	24mm2017_09_09_20_46_50.jpg 24mm2017_09_09_20_46_56.jpg 24mm2017_09_09_20_47_03.jpg 24mm2017_09_09_20_47_09.jpg 24mm2017_09_09_20_47_15.jpg 24mm2017_09_09_20_47_21.jpg 20170909204724030.jpg 20170909204730386.jpg 20170909204736740.jpg 20170909204743094.jpg 20170909204749451.jpg 20170909204755805.jpg 24mm2017_09_09_20_50_46.jpg 24mm2017_09_09_20_50_52.jpg 24mm2017_09_09_20_50_58.jpg 20170909205120072.jpg 20170909205126427.jpg 20170909205132783.jpg
28	9/9/2017	20:51:08	3038	198	131	20170909_205112_A.igm	None	24mm2017_09_09_20_50_46.jpg 24mm2017_09_09_20_50_52.jpg 24mm2017_09_09_20_50_58.jpg 20170909205120072.jpg 20170909205126427.jpg 20170909205132783.jpg
29	9/9/2017	20:55:15	3056	47	110	20170909_205519_A.igm	2017_09_09_20_55_21_R_31	24mm2017_09_09_20_54_53.jpg 24mm2017_09_09_20_55_00.jpg 24mm2017_09_09_20_55_06.jpg 24mm2017_09_09_20_55_12.jpg 20170909205527917.jpg 20170909205534271.jpg 20170909205540627.jpg 20170909205546981.jpg
30	9/9/2017	20:58:30	3011	188	133	20170909_205833_A.igm	2017_09_09_20_58_36_R_32	24mm2017_09_09_20_58_08.jpg 24mm2017_09_09_20_58_14.jpg 24mm2017_09_09_20_58_20.jpg



2017 Hurricane Harvey Deployment ASPECT Response



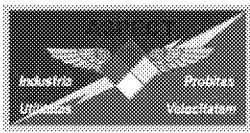
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32	9/9/2017	21:05:21	3009	318	123	20170909_210525_A.igm	2017_09_09_21_05_27_R_34	24mm2017_09_09_21_04_59.jpg 24mm2017_09_09_21_05_05.jpg 24mm2017_09_09_21_05_11.jpg 24mm2017_09_09_21_05_18.jpg 20170909210533432.jpg 20170909210539786.jpg 20170909210546143.jpg 20170909210552496.jpg
33	9/9/2017	21:09:20	3031	89	116	20170909_210925_A.igm	2017_09_09_21_09_27_R_35	24mm2017_09_09_21_08_59.jpg 24mm2017_09_09_21_09_05.jpg 24mm2017_09_09_21_09_11.jpg 24mm2017_09_09_21_09_18.jpg 20170909210933106.jpg 20170909210939461.jpg 20170909210945816.jpg 20170909210952170.jpg
34	9/9/2017	21:12:37	2886	344	124	20170909_211241_A.igm	None	24mm2017_09_09_21_12_16.jpg 24mm2017_09_09_21_12_22.jpg 24mm2017_09_09_21_12_28.jpg 20170909211250104.jpg 20170909211256457.jpg 20170909211302812.jpg
35	9/9/2017	21:16:27	3033	53	110	20170909_211630_A.igm	None	24mm2017_09_09_21_16_05.jpg 24mm2017_09_09_21_16_12.jpg 24mm2017_09_09_21_16_18.jpg 20170909211639787.jpg 20170909211646142.jpg 20170909211652496.jpg
36	9/9/2017	21:20:15	2877	94	121	20170909_212019_A.igm	None	24mm2017_09_09_21_19_54.jpg 24mm2017_09_09_21_20_00.jpg 20170909212027653.jpg 20170909212034007.jpg
37	9/9/2017	21:23:30	3035	123	121	20170909_212334_A.igm	2017_09_09_21_23_37_R_39	24mm2017_09_09_21_23_09.jpg 24mm2017_09_09_21_23_15.jpg 24mm2017_09_09_21_23_21.jpg



2017 Hurricane Harvey Deployment ASPECT Response



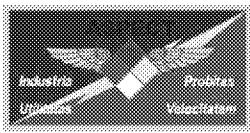
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								24mm2017_09_09_21_27_58.jpg
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39	9/9/2017	21:34:14	3045	89	119	20170909_213417_A.igm	2017_09_09_21_34_20_R_41	24mm2017_09_09_21_33_52.jpg
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40	9/9/2017	21:39:50	2867	61	112	20170909_213956_A.igm	2017_09_09_21_40_00_R_43	24mm2017_09_09_21_39_28.jpg
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								20170909214026914.jpg
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41	9/9/2017	21:46:51	3009	320	129	20170909_214654_A.igm	None	24mm2017_09_09_21_46_29.jpg



2017 Hurricane Harvey Deployment ASPECT Response



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43	9/9/2017	21:53:49	3033	55	109	20170909_215353_A.igm	2017_09_09_21_53_55_R_46	24mm2017_09_09_21_53_27.jpg 24mm2017_09_09_21_53_33.jpg 24mm2017_09_09_21_53_39.jpg 24mm2017_09_09_21_53_45.jpg 20170909215401258.jpg 20170909215407614.jpg 20170909215413060.jpg 20170909215419416.jpg
44	9/9/2017	21:58:21	3021	282	129	20170909_215824_A.igm 20170909_215905_A.igm 20170909_215916_A.igm	2017_09_09_21_58_28_R_47	24mm2017_09_09_21_57_59.jpg 24mm2017_09_09_21_58_05.jpg 24mm2017_09_09_21_58_11.jpg 24mm2017_09_09_21_58_18.jpg 24mm2017_09_09_21_58_24.jpg 24mm2017_09_09_21_58_30.jpg 24mm2017_09_09_21_58_37.jpg 24mm2017_09_09_21_58_43.jpg 24mm2017_09_09_21_58_50.jpg 20170909215832707.jpg 20170909215839063.jpg 20170909215845417.jpg 20170909215851771.jpg 20170909215858126.jpg 20170909215904483.jpg 20170909215910837.jpg 20170909215917193.jpg 20170909215924454.jpg
45	9/9/2017	22:04:16	3055	45	104	20170909_220421_A.igm 20170909_220500_A.igm 20170909_220507_A.igm	2017_09_09_22_04_23_R_49	24mm2017_09_09_22_03_55.jpg 24mm2017_09_09_22_04_01.jpg 24mm2017_09_09_22_04_07.jpg 24mm2017_09_09_22_04_13.jpg 24mm2017_09_09_22_04_20.jpg 24mm2017_09_09_22_04_26.jpg 24mm2017_09_09_22_04_32.jpg 24mm2017_09_09_22_04_42.jpg 20170909220428587.jpg 20170909220434941.jpg 20170909220441296.jpg

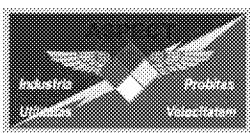


2017 Hurricane Harvey Deployment ASPECT Response



46 9/9/2017 22:10:14 2906 247 123 20170909_221017_A.igm 2017_09_09_22_10_21_R_51 20170909_221057_A.igm 24mm2017_09_09_22_09_52.jpg
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24mm2017_09_09_22_10_11.jpg
24mm2017_09_09_22_10_17.jpg
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20170909221103502.jpg

47 9/9/2017 22:15:35 3006 52 113 20170909_221539_A.igm 2017_09_09_22_15_41_R_52 20170909_221618_A.igm 24mm2017_09_09_22_15_12.jpg
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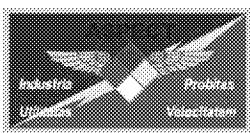


2017 Hurricane Harvey Deployment ASPECT Response



Flight 26 –

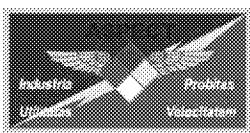
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2	9/10/2017	13:03:50	2974	26	100	20170910_130354_A.igm	None	24mm2017_09_10_13_03_09.jpg 24mm2017_09_10_13_03_15.jpg 20170910130402343.jpg 20170910130408699.jpg
3	9/10/2017	13:07:10	3061	242	134	20170910_130714_A.igm	2017_09_10_13_07_14_R_04	24mm2017_09_10_13_06_28.jpg 24mm2017_09_10_13_06_35.jpg 24mm2017_09_10_13_06_41.jpg 24mm2017_09_10_13_06_47.jpg 20170910130722071.jpg 20170910130728427.jpg 20170910130734782.jpg 20170910130741135.jpg
4	9/10/2017	13:10:52	2889	85	102	20170910_131055_A.igm	None	24mm2017_09_10_13_10_11.jpg 24mm2017_09_10_13_10_17.jpg 24mm2017_09_10_13_10_24.jpg 20170910131104495.jpg 20170910131110852.jpg 20170910131117207.jpg
5	9/10/2017	13:14:44	2995	244	138	20170910_131448_A.igm	2017_09_10_13_14_49_R_06	24mm2017_09_10_13_14_03.jpg 24mm2017_09_10_13_14_09.jpg 24mm2017_09_10_13_14_15.jpg 24mm2017_09_10_13_14_22.jpg 24mm2017_09_10_13_14_28.jpg 20170910131456906.jpg 20170910131502353.jpg 20170910131508708.jpg 20170910131515063.jpg 20170910131521420.jpg
6	9/10/2017	13:18:57	2906	47	104	20170910_131901_A.igm	None	24mm2017_09_10_13_18_16.jpg 24mm2017_09_10_13_18_23.jpg 20170910131910198.jpg 20170910131916554.jpg
7	9/10/2017	13:21:09	2861	199	138	20170910_132112_A.igm	None	24mm2017_09_10_13_20_28.jpg 24mm2017_09_10_13_20_34.jpg 20170910132121826.jpg 20170910132128181.jpg
8	9/10/2017	13:24:41	3067	205	124	20170910_132444_A.igm	None	24mm2017_09_10_13_23_59.jpg 24mm2017_09_10_13_24_06.jpg 20170910132453354.jpg



2017 Hurricane Harvey Deployment ASPECT Response



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10	9/10/2017	13:33:13	2959	137	117	20170910_133317_A.igm	None	24mm2017_09_10_13_32_32.jpg 24mm2017_09_10_13_32_39.jpg 24mm2017_09_10_13_32_45.jpg 20170910133326287.jpg 20170910133332641.jpg 20170910133338996.jpg
11	9/10/2017	13:36:35	3012	23	108	20170910_133638_A.igm	None	24mm2017_09_10_13_35_54.jpg 24mm2017_09_10_13_36_01.jpg 24mm2017_09_10_13_36_07.jpg 20170910133647820.jpg 20170910133654175.jpg 20170910133700530.jpg
12	9/10/2017	13:39:16	3015	211	134	20170910_133919_A.igm	None	24mm2017_09_10_13_38_35.jpg 24mm2017_09_10_13_38_41.jpg 20170910133928511.jpg 20170910133934865.jpg
13	9/10/2017	13:42:18	3057	295	128	20170910_134221_A.igm	None	24mm2017_09_10_13_41_36.jpg 24mm2017_09_10_13_41_43.jpg 24mm2017_09_10_13_41_49.jpg 24mm2017_09_10_13_41_55.jpg 20170910134230077.jpg 20170910134236432.jpg 20170910134242787.jpg 20170910134249142.jpg
14	9/10/2017	13:45:04	2969	186	136	20170910_134507_A.igm	None	24mm2017_09_10_13_44_22.jpg 24mm2017_09_10_13_44_28.jpg 20170910134516213.jpg 20170910134521659.jpg
15	9/10/2017	13:48:37	3053	81	99	20170910_134841_A.igm	None	24mm2017_09_10_13_47_56.jpg 24mm2017_09_10_13_48_02.jpg 24mm2017_09_10_13_48_09.jpg 20170910134849554.jpg 20170910134855912.jpg



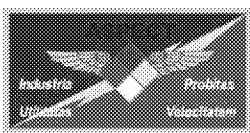
2017 Hurricane Harvey Deployment ASPECT Response



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17	9/10/2017	13:56:46	3051	317	125	20170910_135650_A.igm	2017_09_10_13_56_51_R_18	24mm2017_09_10_13_56_05.jpg 24mm2017_09_10_13_56_11.jpg 24mm2017_09_10_13_56_18.jpg 24mm2017_09_10_13_56_24.jpg 20170910135658877.jpg 20170910135705232.jpg 20170910135711587.jpg 20170910135717034.jpg
18	9/10/2017	13:59:52	2969	191	137	20170910_135956_A.igm	None	24mm2017_09_10_13_59_11.jpg 24mm2017_09_10_13_59_18.jpg 20170910140004987.jpg 20170910140011343.jpg
19	9/10/2017	14:03:26	3006	235	138	20170910_140331_A.igm	None	24mm2017_09_10_14_02_45.jpg 24mm2017_09_10_14_02_52.jpg 24mm2017_09_10_14_02_58.jpg 20170910140339237.jpg 20170910140345593.jpg 20170910140351947.jpg
20	9/10/2017	14:07:20	3046	120	112	20170910_140723_A.igm	None	24mm2017_09_10_14_06_39.jpg 24mm2017_09_10_14_06_45.jpg 20170910140732553.jpg 20170910140738908.jpg
21	9/10/2017	14:10:59	2978	52	103	20170910_141104_A.igm	None	24mm2017_09_10_14_10_18.jpg 24mm2017_09_10_14_10_25.jpg 20170910141112255.jpg 20170910141118608.jpg
22	9/10/2017	14:14:38	2995	39	103	20170910_141441_A.igm	None	24mm2017_09_10_14_13_56.jpg 24mm2017_09_10_14_14_03.jpg 20170910141450139.jpg 20170910141456493.jpg
23	9/10/2017	14:17:18	3013	116	111	20170910_141721_A.igm	None	24mm2017_09_10_14_16_37.jpg

Pre-decisional Do Not Cite or Quote

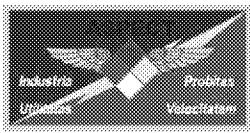
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2017 Hurricane Harvey Deployment ASPECT Response



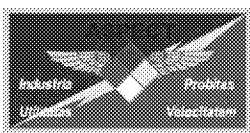
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25	9/10/2017	14:23:25	3013	238	139	20170910_142329_A.igm	None		24mm2017_09_10_14_22_44.jpg
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27	9/10/2017	14:31:15	3074	96	105	20170910_143119_A.igm	None		24mm2017_09_10_14_30_33.jpg
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28	9/10/2017	14:34:18	3075	200	139	20170910_143421_A.igm	None		24mm2017_09_10_14_33_36.jpg
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29	9/10/2017	14:36:06	3071	234	141	20170910_143609_A.igm	None		24mm2017_09_10_14_35_24.jpg
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30	9/10/2017	14:38:56	3024	252	141	20170910_143859_A.igm	None		24mm2017_09_10_14_38_15.jpg
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31	9/10/2017	14:41:31	2984	251	138	20170910_144135_A.igm	None		24mm2017_09_10_14_40_50.jpg
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									20170910144149753.jpg
32	9/10/2017	14:44:34	2991	245	135	20170910_144438_A.igm	None		24mm2017_09_10_14_43_53.jpg
									24mm2017_09_10_14_43_59.jpg
									20170910144446783.jpg
									20170910144452231.jpg
33	9/10/2017	14:48:11	3053	17	104	20170910_144815_A.igm	2017_09_10_14_48_17_R_34		24mm2017_09_10_14_47_30.jpg
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2017 Hurricane Harvey Deployment ASPECT Response



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34	9/10/2017	14:53:05	3118	12	105	20170910_145310_A.igm	2017_09_10_14_53_11_R_36		24mm2017_09_10_14_52_24.jpg
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37	9/10/2017	15:05:29	2981	282	133	20170910_150532_A.igm	None		24mm2017_09_10_14_52_43.jpg
38	9/10/2017	15:09:54	3020	76	102	20170910_150958_A.igm	None		20170910145317906.jpg
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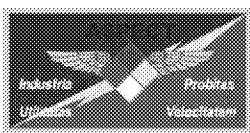
2017 Hurricane Harvey Deployment ASPECT Response



39	9/10/2017	15:15:54	3010	353	109	20170910_151559_A.igm	2017_09_10_15_16_00_R_41	20170910151019241.jpg 24mm2017_09_10_15_15_13.jpg 24mm2017_09_10_15_15_19.jpg 24mm2017_09_10_15_15_25.jpg 24mm2017_09_10_15_15_31.jpg 24mm2017_09_10_15_15_38.jpg 24mm2017_09_10_15_15_44.jpg 20170910151606041.jpg 20170910151612396.jpg 20170910151618751.jpg 20170910151625106.jpg 20170910151631462.jpg 20170910151637816.jpg
40	9/10/2017	15:20:24	3022	138	123	20170910_152027_A.igm	None	24mm2017_09_10_15_19_43.jpg 24mm2017_09_10_15_19_49.jpg 24mm2017_09_10_15_19_55.jpg 20170910152036583.jpg 20170910152042938.jpg 20170910152048384.jpg
41	9/10/2017	15:24:58	3054	334	119	20170910_152502_A.igm	None	24mm2017_09_10_15_24_17.jpg 24mm2017_09_10_15_24_23.jpg 20170910152510754.jpg 20170910152517109.jpg
42	9/10/2017	15:28:57	3010	313	125	20170910_152901_A.igm	None	24mm2017_09_10_15_28_16.jpg 24mm2017_09_10_15_28_22.jpg 24mm2017_09_10_15_28_28.jpg 20170910152909521.jpg 20170910152915875.jpg 20170910152922230.jpg
43	9/10/2017	15:33:41	3016	321	122	20170910_153345_A.igm	None	24mm2017_09_10_15_33_00.jpg 24mm2017_09_10_15_33_06.jpg 24mm2017_09_10_15_33_12.jpg 20170910153353678.jpg 20170910153400034.jpg 20170910153406388.jpg
44	9/10/2017	15:37:09	2902	206	145	20170910_153713_A.igm	None	24mm2017_09_10_15_36_28.jpg 24mm2017_09_10_15_36_34.jpg 20170910153721578.jpg 20170910153727932.jpg
45	9/10/2017	15:41:00	2991	58	103	20170910_154103_A.igm	None	24mm2017_09_10_15_40_19.jpg 24mm2017_09_10_15_40_25.jpg 20170910154112173.jpg 20170910154118528.jpg
46	9/10/2017	15:44:10	2968	168	138	20170910_154415_A.igm	None	24mm2017_09_10_15_43_29.jpg

Pre-decisional Do Not Cite or Quote

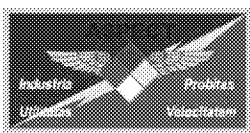
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2017 Hurricane Harvey Deployment ASPECT Response



47	9/10/2017	15:47:23	2970	340	114	20170910_154726_A.igm	None	24mm2017_09_10_15_43_36.jpg 20170910154422821.jpg 20170910154429177.jpg 24mm2017_09_10_15_46_42.jpg 24mm2017_09_10_15_46_48.jpg 20170910154735287.jpg 20170910154741641.jpg
48	9/10/2017	15:52:14	3083	41	101	20170910_155218_A.igm	None	24mm2017_09_10_15_51_32.jpg 24mm2017_09_10_15_51_39.jpg 20170910155225801.jpg 20170910155232157.jpg 24mm2017_09_10_15_55_26.jpg 24mm2017_09_10_15_55_32.jpg 20170910155619115.jpg 20170910155625470.jpg 24mm2017_09_10_15_58_33.jpg 24mm2017_09_10_15_58_39.jpg 20170910155926131.jpg 20170910155932488.jpg 24mm2017_09_10_16_02_15.jpg 24mm2017_09_10_16_02_21.jpg 24mm2017_09_10_16_02_28.jpg 20170910160308555.jpg 20170910160314912.jpg 20170910160321266.jpg 24mm2017_09_10_16_05_27.jpg 24mm2017_09_10_16_05_33.jpg 20170910160621021.jpg 20170910160627375.jpg 24mm2017_09_10_16_08_19.jpg 24mm2017_09_10_16_08_25.jpg 20170910160912605.jpg 20170910160918962.jpg 24mm2017_09_10_16_11_34.jpg 24mm2017_09_10_16_11_40.jpg 24mm2017_09_10_16_11_46.jpg 20170910161227794.jpg 20170910161234148.jpg 20170910161240503.jpg 24mm2017_09_10_16_15_44.jpg 24mm2017_09_10_16_15_50.jpg 24mm2017_09_10_16_15_57.jpg 24mm2017_09_10_16_16_03.jpg 24mm2017_09_10_16_16_09.jpg
49	9/10/2017	15:56:07	3051	208	141	20170910_155610_A.igm	None	
50	9/10/2017	15:59:14	2942	199	144	20170910_155918_A.igm	None	
51	9/10/2017	16:02:56	3086	19	107	20170910_160300_A.igm	None	
52	9/10/2017	16:06:08	3093	186	140	20170910_160612_A.igm	None	
53	9/10/2017	0.67292	3000	223	144	20170910_160904_A.igm	None	
54	9/10/2017	16:12:15	2965	6	111	20170910_161219_A.igm	None	
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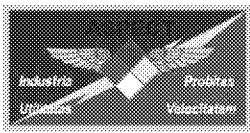
2017 Hurricane Harvey Deployment ASPECT Response



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57	9/10/2017	16:24:05	2999	315	127	20170910_162409_A.igm	None	24mm2017_09_10_16_23_24.jpg 24mm2017_09_10_16_23_30.jpg 20170910162417732.jpg 20170910162424089.jpg 24mm2017_09_10_16_27_29.jpg 24mm2017_09_10_16_27_35.jpg 20170910162821939.jpg 20170910162828296.jpg 24mm2017_09_10_16_31_16.jpg 24mm2017_09_10_16_31_23.jpg 24mm2017_09_10_16_31_29.jpg 20170910163209805.jpg 20170910163216160.jpg 20170910163222513.jpg 24mm2017_09_10_16_34_26.jpg 24mm2017_09_10_16_34_32.jpg 24mm2017_09_10_16_34_38.jpg 20170910163519540.jpg 20170910163525893.jpg 20170910163531339.jpg 24mm2017_09_10_16_38_05.jpg 24mm2017_09_10_16_38_12.jpg 20170910163859239.jpg 20170910163905594.jpg 24mm2017_09_10_16_41_49.jpg 24mm2017_09_10_16_41_55.jpg 24mm2017_09_10_16_42_01.jpg 20170910164242571.jpg 20170910164248927.jpg 20170910164255280.jpg 24mm2017_09_10_16_44_52.jpg
58	9/10/2017	16:28:10	3007	322	123	20170910_162814_A.igm	None	24mm2017_09_10_16_27_29.jpg 24mm2017_09_10_16_27_35.jpg 20170910162821939.jpg 20170910162828296.jpg 24mm2017_09_10_16_31_16.jpg 24mm2017_09_10_16_31_23.jpg 24mm2017_09_10_16_31_29.jpg 20170910163209805.jpg 20170910163216160.jpg 20170910163222513.jpg 24mm2017_09_10_16_34_26.jpg 24mm2017_09_10_16_34_32.jpg 24mm2017_09_10_16_34_38.jpg 20170910163519540.jpg 20170910163525893.jpg 20170910163531339.jpg 24mm2017_09_10_16_38_05.jpg 24mm2017_09_10_16_38_12.jpg 20170910163859239.jpg 20170910163905594.jpg 24mm2017_09_10_16_41_49.jpg 24mm2017_09_10_16_41_55.jpg 24mm2017_09_10_16_42_01.jpg 20170910164242571.jpg 20170910164248927.jpg 20170910164255280.jpg 24mm2017_09_10_16_44_52.jpg
59	9/10/2017	16:31:58	3001	80	112	20170910_163202_A.igm	None	24mm2017_09_10_16_31_16.jpg 24mm2017_09_10_16_31_23.jpg 24mm2017_09_10_16_31_29.jpg 20170910163209805.jpg 20170910163216160.jpg 20170910163222513.jpg 24mm2017_09_10_16_34_26.jpg 24mm2017_09_10_16_34_32.jpg 24mm2017_09_10_16_34_38.jpg 20170910163519540.jpg 20170910163525893.jpg 20170910163531339.jpg 24mm2017_09_10_16_38_05.jpg 24mm2017_09_10_16_38_12.jpg 20170910163859239.jpg 20170910163905594.jpg 24mm2017_09_10_16_41_49.jpg 24mm2017_09_10_16_41_55.jpg 24mm2017_09_10_16_42_01.jpg 20170910164242571.jpg 20170910164248927.jpg 20170910164255280.jpg 24mm2017_09_10_16_44_52.jpg
60	9/10/2017	16:35:07	3015	252	138	20170910_163511_A.igm	None	24mm2017_09_10_16_34_26.jpg 24mm2017_09_10_16_34_32.jpg 24mm2017_09_10_16_34_38.jpg 20170910163519540.jpg 20170910163525893.jpg 20170910163531339.jpg 24mm2017_09_10_16_38_05.jpg 24mm2017_09_10_16_38_12.jpg 20170910163859239.jpg 20170910163905594.jpg 24mm2017_09_10_16_41_49.jpg 24mm2017_09_10_16_41_55.jpg 24mm2017_09_10_16_42_01.jpg 20170910164242571.jpg 20170910164248927.jpg 20170910164255280.jpg 24mm2017_09_10_16_44_52.jpg
61	9/10/2017	16:38:47	3000	71	113	20170910_163851_A.igm	None	24mm2017_09_10_16_38_05.jpg 24mm2017_09_10_16_38_12.jpg 20170910163859239.jpg 20170910163905594.jpg 24mm2017_09_10_16_41_49.jpg 24mm2017_09_10_16_41_55.jpg 24mm2017_09_10_16_42_01.jpg 20170910164242571.jpg 20170910164248927.jpg 20170910164255280.jpg 24mm2017_09_10_16_44_52.jpg
62	9/10/2017	16:42:30	3016	149	129	20170910_164233_A.igm	None	24mm2017_09_10_16_41_49.jpg 24mm2017_09_10_16_41_55.jpg 24mm2017_09_10_16_42_01.jpg 20170910164242571.jpg 20170910164248927.jpg 20170910164255280.jpg 24mm2017_09_10_16_44_52.jpg
63	9/10/2017	16:45:34	2943	2	115	20170910_164538_A.igm	None	24mm2017_09_10_16_44_52.jpg

Pre-decisional Do Not Cite or Quote

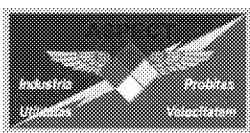
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2017 Hurricane Harvey Deployment ASPECT Response



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									24mm2017_09_10_16_48_46.jpg
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									24mm2017_09_10_16_48_58.jpg
									24mm2017_09_10_16_49_05.jpg
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									20170910164939266.jpg
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									20170910164951975.jpg
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65	9/10/2017	16:50:13	2913	238	137	20170910_165016_A.igm	None		24mm2017_09_10_16_49_31.jpg
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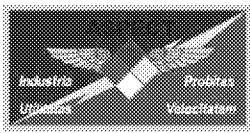


2017 Hurricane Harvey Deployment ASPECT Response



Flight 27 –

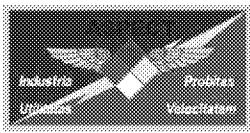
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2	9/11/2017	14:22:45	3024	22	105	20170911_142250_A.igm	2017_09_11_14_22_52_R_06	24mm2017_09_11_14_22_12.jpg 24mm2017_09_11_14_22_19.jpg 24mm2017_09_11_14_22_25.jpg 24mm2017_09_11_14_22_31.jpg 24mm2017_09_11_14_22_38.jpg 20170911142258199.jpg 20170911142304554.jpg 20170911142310000.jpg 20170911142316356.jpg 20170911142322710.jpg
3	9/11/2017	14:27:43	3032	69	108	20170911_142747_A.igm	None	24mm2017_09_11_14_27_10.jpg 24mm2017_09_11_14_27_17.jpg 24mm2017_09_11_14_27_23.jpg 24mm2017_09_11_14_27_29.jpg 20170911142755976.jpg 20170911142802330.jpg 20170911142808684.jpg 20170911142815040.jpg
4	9/11/2017	14:30:52	3061	226	136	20170911_143056_A.igm	2017_09_11_14_30_59_R_08	24mm2017_09_11_14_30_19.jpg 24mm2017_09_11_14_30_26.jpg 24mm2017_09_11_14_30_32.jpg 24mm2017_09_11_14_30_38.jpg 20170911143104808.jpg 20170911143111164.jpg 20170911143117520.jpg 20170911143123875.jpg
5	9/11/2017	14:34:41	3023	150	129	20170911_143445_A.igm	2017_09_11_14_34_47_R_09	24mm2017_09_11_14_34_08.jpg 24mm2017_09_11_14_34_14.jpg 24mm2017_09_11_14_34_21.jpg 24mm2017_09_11_14_34_27.jpg 24mm2017_09_11_14_34_33.jpg 20170911143453587.jpg 20170911143459943.jpg 20170911143506297.jpg 20170911143512653.jpg 20170911143519007.jpg
6	9/11/2017	14:41:23	3022	218	140	20170911_144127_A.igm	2017_09_11_14_41_30_R_10	24mm2017_09_11_14_40_50.jpg



2017 Hurricane Harvey Deployment ASPECT Response



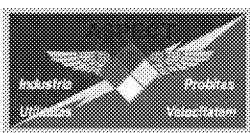
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8	9/11/2017	14:51:38	3014	35	104	20170911_145141_A.igm	2017_09_11_14_51_44_R_12	24mm2017_09_11_14_51_04.jpg
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9	9/11/2017	14:54:58	3049	225	138	20170911_145501_A.igm	2017_09_11_14_55_05_R_13	24mm2017_09_11_14_54_25.jpg
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10	9/11/2017	14:58:44	2979	73	111	20170911_145848_A.igm	2017_09_11_14_58_51_R_14	24mm2017_09_11_14_58_11.jpg
								24mm2017_09_11_14_58_18.jpg
								24mm2017_09_11_14_58_24.jpg
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2017 Hurricane Harvey Deployment ASPECT Response



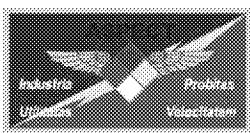
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12	9/11/2017	15:06:06	3017	174	138	20170911_150609_A.igm	2017_09_11_15_06_12_R_16	24mm2017_09_11_15_05_32.jpg 24mm2017_09_11_15_05_39.jpg 24mm2017_09_11_15_05_45.jpg 24mm2017_09_11_15_05_51.jpg 20170911150618295.jpg 20170911150623741.jpg 20170911150630096.jpg 20170911150636453.jpg
13	9/11/2017	15:11:22	3016	259	135	20170911_151127_A.igm	None	24mm2017_09_11_15_10_50.jpg 24mm2017_09_11_15_10_56.jpg 20170911151135137.jpg 20170911151141491.jpg
14	9/11/2017	15:15:39	2976	0	106	20170911_151543_A.igm	None	24mm2017_09_11_15_15_05.jpg 24mm2017_09_11_15_15_12.jpg 20170911151551151.jpg 20170911151557506.jpg
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16	9/11/2017	15:21:44	3005	278	129	20170911_152148_A.igm	None	24mm2017_09_11_15_21_11.jpg 24mm2017_09_11_15_21_17.jpg 20170911152157057.jpg 20170911152202504.jpg
17	9/11/2017	15:26:19	2995	238	136	20170911_152622_A.igm	None	24mm2017_09_11_15_25_46.jpg 24mm2017_09_11_15_25_52.jpg 20170911152631246.jpg 20170911152637601.jpg
18	9/11/2017	15:29:48	2938	333	116	20170911_152953_A.igm	None	24mm2017_09_11_15_29_15.jpg 24mm2017_09_11_15_29_21.jpg 20170911153000960.jpg



2017 Hurricane Harvey Deployment ASPECT Response



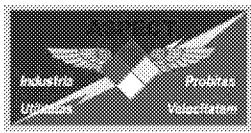
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20	9/11/2017	15:44:48	2956	89	116	20170911_154452_A.igm	None	24mm2017_09_11_15_44_15.jpg 24mm2017_09_11_15_44_22.jpg 20170911154500643.jpg 20170911154506999.jpg
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27	9/11/2017	16:20:41	3020	91	118	20170911_162044_A.igm	None	24mm2017_09_11_16_20_08.jpg 24mm2017_09_11_16_20_14.jpg 24mm2017_09_11_16_20_20.jpg 20170911162053131.jpg 20170911162059487.jpg



2017 Hurricane Harvey Deployment ASPECT Response



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30	9/11/2017	16:33:38	3007	259	134	20170911_163341_A.igm	None	24mm2017_09_11_16_33_05.jpg 24mm2017_09_11_16_33_11.jpg 24mm2017_09_11_16_33_17.jpg 20170911163350256.jpg 20170911163356613.jpg 20170911163402965.jpg
31	9/11/2017	16:36:35	3057	253	139	20170911_163639_A.igm	None	24mm2017_09_11_16_36_02.jpg 24mm2017_09_11_16_36_08.jpg 20170911163647287.jpg 20170911163653642.jpg
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33	9/11/2017	16:43:20	3089	14	102	20170911_164324_A.igm 20170911_164403_A.igm	2017_09_11_16_43_28_R_37	24mm2017_09_11_16_42_47.jpg 24mm2017_09_11_16_42_53.jpg 24mm2017_09_11_16_43_00.jpg 24mm2017_09_11_16_43_06.jpg 24mm2017_09_11_16_43_12.jpg 24mm2017_09_11_16_43_19.jpg 24mm2017_09_11_16_43_25.jpg 24mm2017_09_11_16_43_31.jpg 24mm2017_09_11_16_43_38.jpg 20170911164333098.jpg 20170911164339454.jpg 20170911164345808.jpg 20170911164351255.jpg 20170911164357610.jpg 20170911164403965.jpg 20170911164410321.jpg 20170911164416675.jpg 20170911164423030.jpg
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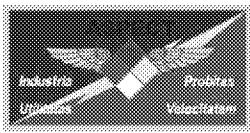
2017 Hurricane Harvey Deployment ASPECT Response



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DRAFT

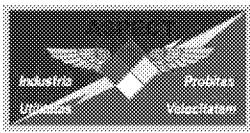


2017 Hurricane Harvey Deployment ASPECT Response



Flight 28 –

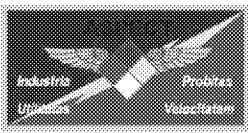
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2	9/11/2017	18:38:49	3031	34	111	None	None	24mm2017_09_11_18_38_21.jpg 24mm2017_09_11_18_38_28.jpg 20170911183900984.jpg 20170911183907338.jpg
3	9/11/2017	18:40:55	2990	82	125	20170911_184059_A.igm	None	24mm2017_09_11_18_40_28.jpg 24mm2017_09_11_18_40_34.jpg 24mm2017_09_11_18_40_41.jpg 20170911184108084.jpg 20170911184114439.jpg 20170911184120794.jpg
4	9/11/2017	18:44:41	2892	282	103	20170911_184444_A.igm	2017_09_11_18_44_46_R_03	24mm2017_09_11_18_44_14.jpg 24mm2017_09_11_18_44_20.jpg 24mm2017_09_11_18_44_26.jpg 24mm2017_09_11_18_44_32.jpg 24mm2017_09_11_18_44_39.jpg 20170911184453232.jpg 20170911184459586.jpg 20170911184505942.jpg 20170911184512297.jpg 20170911184518651.jpg
5	9/11/2017	18:48:58	3103	80	121	20170911_184902_A.igm	None	24mm2017_09_11_18_48_31.jpg 24mm2017_09_11_18_48_37.jpg 24mm2017_09_11_18_48_43.jpg 20170911184910155.jpg 20170911184916510.jpg 20170911184922865.jpg
6	9/11/2017	18:51:30	3079	124	136	20170911_185134_A.igm	None	24mm2017_09_11_18_51_03.jpg 24mm2017_09_11_18_51_09.jpg 20170911185142676.jpg 20170911185149031.jpg
7	9/11/2017	18:55:47	3035	85	116	20170911_185551_A.igm	None	24mm2017_09_11_18_55_19.jpg 24mm2017_09_11_18_55_26.jpg 24mm2017_09_11_18_55_32.jpg 20170911185559599.jpg 20170911185605954.jpg 20170911185611400.jpg
8	9/11/2017	18:59:19	3059	272	126	20170911_185923_A.igm	None	24mm2017_09_11_18_58_52.jpg



2017 Hurricane Harvey Deployment ASPECT Response



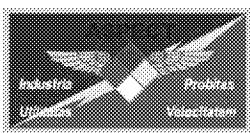
9	9/11/2017	19:03:02	3136	265	132	20170911_190306_A.igm	None	24mm2017_09_11_18_58_58.jpg 20170911185932037.jpg 20170911185937483.jpg 24mm2017_09_11_19_02_34.jpg 24mm2017_09_11_19_02_40.jpg 24mm2017_09_11_19_02_47.jpg 20170911190314458.jpg 20170911190319908.jpg 20170911190326260.jpg
10	9/11/2017	19:06:22	3018	-1	123	20170911_190625_A.igm	None	24mm2017_09_11_19_05_54.jpg 24mm2017_09_11_19_06_00.jpg 20170911190634173.jpg 20170911190640529.jpg
11	9/11/2017	19:08:52	3006	272	118	20170911_190855_A.igm	None	24mm2017_09_11_19_08_24.jpg 24mm2017_09_11_19_08_31.jpg 20170911190903970.jpg 20170911190910324.jpg
12	9/11/2017	19:12:12	2950	45	114	20170911_191216_A.igm	2017_09_11_19_12_17_R_11	24mm2017_09_11_19_11_45.jpg 24mm2017_09_11_19_11_51.jpg 24mm2017_09_11_19_11_57.jpg 24mm2017_09_11_19_12_03.jpg 24mm2017_09_11_19_12_10.jpg 24mm2017_09_11_19_12_16.jpg 20170911191224606.jpg 20170911191230960.jpg 20170911191237316.jpg 20170911191243670.jpg 20170911191250026.jpg 20170911191255472.jpg
13	9/11/2017	19:16:09	2915	238	127	20170911_191613_A.igm	None	24mm2017_09_11_19_15_41.jpg 24mm2017_09_11_19_15_48.jpg 20170911191621552.jpg 20170911191627907.jpg
14	9/11/2017	19:19:25	3005	329	115	20170911_191929_A.igm	2017_09_11_19_19_31_R_13	24mm2017_09_11_19_18_58.jpg 24mm2017_09_11_19_19_04.jpg 24mm2017_09_11_19_19_10.jpg 24mm2017_09_11_19_19_17.jpg 24mm2017_09_11_19_19_23.jpg 24mm2017_09_11_19_19_29.jpg 20170911191937650.jpg 20170911191944005.jpg 20170911191950360.jpg 20170911191956715.jpg 20170911192003069.jpg



2017 Hurricane Harvey Deployment ASPECT Response



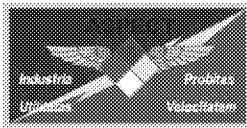
15	9/11/2017	19:24:49	2939	344	104	20170911_192452_A.igm	2017_09_11_19_24_54_R_14	20170911192009424.jpg 24mm2017_09_11_19_24_22.jpg 24mm2017_09_11_19_24_28.jpg 24mm2017_09_11_19_24_34.jpg 24mm2017_09_11_19_24_40.jpg 24mm2017_09_11_19_24_47.jpg 24mm2017_09_11_19_24_53.jpg 24mm2017_09_11_19_24_59.jpg 20170911192501754.jpg 20170911192508108.jpg 20170911192514464.jpg 20170911192519910.jpg 20170911192526265.jpg 20170911192532620.jpg 20170911192538976.jpg
16	9/11/2017	19:28:58	2889	145	131	20170911_192901_A.igm	None	24mm2017_09_11_19_28_30.jpg 24mm2017_09_11_19_28_36.jpg 24mm2017_09_11_19_28_43.jpg 20170911192909598.jpg 20170911192915952.jpg 20170911192922307.jpg
17	9/11/2017	19:33:15	3057	328	110	20170911_193319_A.igm	None	24mm2017_09_11_19_32_48.jpg 24mm2017_09_11_19_32_54.jpg 20170911193327417.jpg 20170911193333772.jpg
18	9/11/2017	19:36:54	2906	310	101	20170911_193658_A.igm	None	24mm2017_09_11_19_36_27.jpg 24mm2017_09_11_19_36_33.jpg 24mm2017_09_11_19_36_39.jpg 20170911193706208.jpg 20170911193712563.jpg 20170911193718920.jpg
19	9/11/2017	19:40:41	3076	315	115	20170911_194045_A.igm	None	24mm2017_09_11_19_40_14.jpg 24mm2017_09_11_19_40_20.jpg 24mm2017_09_11_19_40_26.jpg 20170911194053172.jpg 20170911194059527.jpg 20170911194105884.jpg
20	9/11/2017	19:44:20	2732	210	135	20170911_194424_A.igm	None	24mm2017_09_11_19_43_52.jpg 24mm2017_09_11_19_43_58.jpg 20170911194431967.jpg 20170911194438321.jpg
21	9/11/2017	19:47:11	3103	54	110	20170911_194714_A.igm	None	24mm2017_09_11_19_46_43.jpg 24mm2017_09_11_19_46_50.jpg 20170911194723550.jpg



2017 Hurricane Harvey Deployment ASPECT Response



22	9/11/2017	19:50:20	3105	178	141	20170911_195023_A.igm	None	20170911194728997.jpg 24mm2017_09_11_19_49_52.jpg 24mm2017_09_11_19_49_59.jpg 20170911195032384.jpg 20170911195038740.jpg
23	9/11/2017	19:53:18	2867	333	117	20170911_195322_A.igm	None	24mm2017_09_11_19_52_50.jpg 24mm2017_09_11_19_52_57.jpg 20170911195330311.jpg 20170911195336669.jpg
24	9/11/2017	19:56:55	3082	38	118	20170911_195700_A.igm	None	24mm2017_09_11_19_56_27.jpg 24mm2017_09_11_19_56_34.jpg 20170911195707266.jpg 20170911195713622.jpg
25	9/11/2017	20:00:09	3027	213	144	20170911_200013_A.igm	None	24mm2017_09_11_19_59_41.jpg 24mm2017_09_11_19_59_48.jpg 20170911200021546.jpg 20170911200027901.jpg
26	9/11/2017	20:03:03	2954	205	136	20170911_200307_A.igm	None	24mm2017_09_11_20_02_35.jpg 24mm2017_09_11_20_02_42.jpg 20170911200314946.jpg 20170911200321301.jpg
27	9/11/2017	20:06:37	3019	12	110	20170911_200640_A.igm	None	24mm2017_09_11_20_06_09.jpg 24mm2017_09_11_20_06_16.jpg 24mm2017_09_11_20_06_22.jpg 20170911200649200.jpg 20170911200655555.jpg 20170911200701909.jpg
28	9/11/2017	20:09:29	3039	191	141	20170911_200933_A.igm	None	24mm2017_09_11_20_09_02.jpg 24mm2017_09_11_20_09_08.jpg 20170911200941692.jpg 20170911200948047.jpg
29	9/11/2017	20:12:23	2950	229	139	20170911_201226_A.igm	None	24mm2017_09_11_20_11_56.jpg 24mm2017_09_11_20_12_02.jpg 20170911201235092.jpg 20170911201241449.jpg
30	9/11/2017	20:16:39	2990	0	116	20170911_201643_A.igm	None	24mm2017_09_11_20_16_11.jpg 24mm2017_09_11_20_16_18.jpg 24mm2017_09_11_20_16_24.jpg 20170911201651108.jpg 20170911201657463.jpg 20170911201703818.jpg
31	9/11/2017	20:20:40	2868	0	120	20170911_202045_A.igm	None	24mm2017_09_11_20_20_13.jpg 24mm2017_09_11_20_20_19.jpg 24mm2017_09_11_20_20_25.jpg



2017 Hurricane Harvey Deployment ASPECT Response



32	9/11/2017	20:24:21	2899	315	119	20170911_202424_A.igm	2017_09_11_20_24_26_R_31	24mm2017_09_11_20_20_32.jpg 20170911202052597.jpg 20170911202058951.jpg 20170911202105312.jpg 20170911202111661.jpg 24mm2017_09_11_20_23_53.jpg 24mm2017_09_11_20_23_59.jpg 24mm2017_09_11_20_24_06.jpg 24mm2017_09_11_20_24_12.jpg 24mm2017_09_11_20_24_18.jpg 20170911202433205.jpg 20170911202439565.jpg 20170911202445915.jpg 20170911202452271.jpg 20170911202458626.jpg 24mm2017_09_11_20_27_27.jpg 24mm2017_09_11_20_27_33.jpg 20170911202806553.jpg 20170911202812908.jpg
33	9/11/2017	20:27:54	2964	122	132	20170911_202758_A.igm	None	DRAFT DRAFT